ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1			**SHUTDOWN PLAN 2023 - SODA ASH PLANT**	**294 hrs?**	**Mon 17/04/23 06:30**	**Sun 14/05/23 18:00**		
2			PROJECT START	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		
3			PROJECT FINISH	0 hrs	Sun 14/05/23 18:00	Sun 14/05/23 18:00	10937	
4		**AREA 65A**	**POTABLE & BRACKISH WATER SUPPLY**	**104.04 hrs**	**Mon 17/04/23 06:30**	**Wed 26/04/23 17:02**		
5			**MAINTENANCE STARTS**	**0 hrs**	**Wed 26/04/23 17:02**	**Wed 26/04/23 17:02**	**2SS+8.67 d**	
6			Maintenance jobs commence	0 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:02		
7			**MECHANICAL**	**53 hrs**	**Mon 17/04/23 06:30**	**Sat 22/04/23 07:30**		
8		**65A2GA10**	**#2 DUKWI TRANSFER PUMP - Overhaul pump**	**8 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 15:30**		
9			Issue permit to work	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		ops
10			Accept permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	9	ft
11			Carry out risk assessment	0.25 hrs	Mon 17/04/23 07:30	Mon 17/04/23 07:45	10	ft
12			Undo suction and discharge pipe flange bolts	0.5 hrs	Mon 17/04/23 07:45	Mon 17/04/23 08:15	11	ft,main specialist
13			Undo the coupling and pump mounting bolts	0.5 hrs	Mon 17/04/23 08:15	Mon 17/04/23 08:45	12	ft
14			Rig out the pump	0.5 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:15	13	rig,Crane
15			Clean the mounting base	0.5 hrs	Mon 17/04/23 09:15	Mon 17/04/23 09:45	14	ft
16			Rig in the replacement pump and position	0.5 hrs	Mon 17/04/23 09:45	Mon 17/04/23 10:15	15	rig,Crane
17			Insert pump mounting bolts and slightly tighten them	0.5 hrs	Mon 17/04/23 10:15	Mon 17/04/23 10:45	16	ft
18			Bolt the suction and discharge flanges	1 hr	Mon 17/04/23 10:45	Mon 17/04/23 11:45	17	ft
19			Tighten pump mounting bolts and flanges	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	18	ft
20			Position the motor and carry out rough alignment	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	19	main specialist,ft
21			Set the coupling gap to approximately 3mm	1 hr	Mon 17/04/23 13:15	Mon 17/04/23 14:15	20	main specialist,ft
22			Carry out laser alignment	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	21	main specialist,ft
23			Box up	0.5 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:15	22	ft,main specialist
24			Clear permit	0.25 hrs	Mon 17/04/23 15:15	Mon 17/04/23 15:30	23	ft,main specialist & ops
25		**65A2GA07**	**PORTABLE WATER RELIEVE VALVE - Carry out statutory inspection**	**5.75 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 13:15**		
26			Issue permit to work	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		Salt ft
27			Accept permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	26	Salt ft
28			Remove PSV	1 hr	Mon 17/04/23 07:30	Mon 17/04/23 08:30	27	Salt ft
29			Set PSV to 1500kpa	3 hrs	Mon 17/04/23 08:30	Mon 17/04/23 11:30	28	ELI
30			Install PSV	1 hr	Mon 17/04/23 11:30	Mon 17/04/23 13:00	29	Salt ft
31			Clear permit	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15	30	Salt ft
32		**65A2GA10**	**BRACKISH RELIEVE VALVE - Carry out statutory inspection**	**5.75 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 13:15**		
33			Issue permit to work	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		ops
34			Accept permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	33	Salt ft
35			Remove PSV	1 hr	Mon 17/04/23 07:30	Mon 17/04/23 08:30	34	Salt ft
36			Set PSV to 12 bar (2 off)	3 hrs	Mon 17/04/23 08:30	Mon 17/04/23 11:30	35	ELI
37			Install PSV	1 hr	Mon 17/04/23 11:30	Mon 17/04/23 13:00	36	Salt ft
38			Clear permit	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15	37	Salt ft
39		**65A2FB001**	**DUKWI BRACKISH WATER TANK - Carry out tank internal inspection**	**24.75 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 10:45**		
40			Empty tank (prior)	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		ops
41			Clean tank (prior)	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30	40	ops
42			Issue permit to work	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	41	ops
43			Accept permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	42	Salt ft
44			Carry out tank internal inspection	14 hrs	Mon 17/04/23 07:30	Tue 18/04/23 09:00	43	ELI,main specialist,Operations
45			Possible lining leaks	8 hrs	Tue 18/04/23 09:00	Tue 18/04/23 17:30	44	main specialist

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
46			Allow to cure	4 hrs	Tue 18/04/23 17:30	Wed 19/04/23 10:30	45	
47			Clear permit	0.25 hrs	Wed 19/04/23 10:30	Wed 19/04/23 10:45	46	Salt ft
48			**BRACKISH PUMP STATION - Replace Generator**	**53 hrs**	**Mon 17/04/23 07:00**	**Sat 22/04/23 07:30**		
49			Issue permit to work	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		Bakang Setshogo,Bonang makuni
50			Accept permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	49	Bakang Setshogo,Bonang makuni
51			Carry out risk assessment	0.25 hrs	Mon 17/04/23 07:30	Mon 17/04/23 07:45	50	Bakang Setshogo,Bonang makuni
52			Disconnect the Generator from the switch gear	2 hrs	Mon 17/04/23 07:45	Mon 17/04/23 09:45	51	Bakang Setshogo,Bonang makuni
53			Rig out the generator	1 hr	Mon 17/04/23 09:45	Mon 17/04/23 10:45	52	Manere
54			Rig in the new generator	1 hr	Mon 17/04/23 10:45	Mon 17/04/23 11:45	53	Manere
55			Excavate the old generator cable	6 hrs	Mon 17/04/23 11:45	Tue 18/04/23 07:15	54	Casuals
56			Excavate the cable to the BPC panel	6 hrs	Tue 18/04/23 07:15	Tue 18/04/23 13:45	55	Casuals
57			Replace the cable from the generator to the transformer	3 hrs	Tue 18/04/23 13:45	Tue 18/04/23 16:45	56	Bakang Setshogo,Bonang makuni
58			Connect the cable form the BPC side into the Generator	3 hrs	Tue 18/04/23 16:45	Wed 19/04/23 08:45	57	Bakang Setshogo,Bonang makuni
59			Connect the cable from the Switch Gear	3 hrs	Wed 19/04/23 08:45	Wed 19/04/23 11:45	58	Bakang Setshogo,Bonang makuni
60			Remove barricading roofing sheets for the pumpstation	6 hrs	Wed 19/04/23 11:45	Thu 20/04/23 07:15	59	Montsho
61			Disconnect power cables motors and power circuits	4 hrs	Thu 20/04/23 07:15	Thu 20/04/23 11:15	60	Bakang Setshogo,Bonang makuni
62			Rig out the panels	3 hrs	Thu 20/04/23 11:15	Thu 20/04/23 14:45	61	Manere
63			Rig into the substation container	1 hr	Thu 20/04/23 14:45	Thu 20/04/23 15:45	62	Manere
64			Rig in the switch gear panels	3 hrs	Thu 20/04/23 15:45	Fri 21/04/23 07:45	63	Bakang Setshogo,Bonang makuni
65			Connect all the control and power cable	4 hrs	Fri 21/04/23 07:45	Fri 21/04/23 11:45	64	Bakang Setshogo,Bonang makuni
66			Switch on cable by cable to test for power	1 hr	Fri 21/04/23 11:45	Fri 21/04/23 13:15	65	Bakang Setshogo,Bonang makuni
67			Commission the BPC power and the Generator function	2 hrs	Fri 21/04/23 13:15	Fri 21/04/23 15:15	66	Bakang Setshogo,Bonang makuni
68			Commission instrumentation and scada functionality test	2 hrs	Fri 21/04/23 15:15	Fri 21/04/23 17:15	67	Bakang Setshogo,Bonang makuni
69			House keeping	1 hr	Fri 21/04/23 17:15	Sat 22/04/23 07:15	68	Bakang Setshogo,Bonang makuni
70			Close permit	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30	69	Bakang Setshogo,Bonang makuni
71		**65A2GA03**	**SOFTENED WATER PUMPS - Inspections**	**9.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 17:00**		
72			Issue permit to work	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
73			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	72	G Kapenda,O Keamogetswe
74			Remove Guard	0.5 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:45	73	G Kapenda,O Keamogetswe
75			Inspect coupling integrity	1 hr	Mon 17/04/23 07:45	Mon 17/04/23 08:45	74	G Kapenda,O Keamogetswe
76			Inspect mounting bolts for looseness	0.5 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:15	75	G Kapenda,O Keamogetswe
77			Inspect check non return valve for correct operation	0.5 hrs	Mon 17/04/23 09:15	Mon 17/04/23 09:45	76	G Kapenda,O Keamogetswe
78			Inspect condition of the base for wear and security	1 hr	Mon 17/04/23 09:45	Mon 17/04/23 10:45	77	G Kapenda,O Keamogetswe
79			Inspect discharge and suction flange bolts for tightness	0.5 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:15	78	G Kapenda,O Keamogetswe
80			Drain used oil and refill with new oil	1.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 13:15	79	G Kapenda,O Keamogetswe
81			Carry out laser alignment	3 hrs	Mon 17/04/23 13:15	Mon 17/04/23 16:15	80	Reliability
82			Install guard	0.5 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:45	81	G Kapenda,O Keamogetswe
83			Clear permit	0.25 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:00	82	G Kapenda,O Keamogetswe
84		**65A2GA03**	**SOFTENED WATER PUMPS - Inspections**	**9.75 hrs**	**Mon 17/04/23 17:00**	**Tue 18/04/23 16:15**	**71**	
85			Issue permit to work	0.25 hrs	Mon 17/04/23 17:00	Mon 17/04/23 17:15		Operations
86			Accept Permit	0.25 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:30	85	G Kapenda,O Keamogetswe
87			Remove Guard	0.5 hrs	Mon 17/04/23 17:30	Mon 17/04/23 18:00	86	G Kapenda,O Keamogetswe
88			Inspect coupling integrity	1 hr	Tue 18/04/23 07:00	Tue 18/04/23 08:00	87	G Kapenda,O Keamogetswe
89			Inspect mounting bolts for looseness	0.5 hrs	Tue 18/04/23 08:00	Tue 18/04/23 08:30	88	G Kapenda,O Keamogetswe
90			Inspect check non return valve for correct operation	0.5 hrs	Tue 18/04/23 08:30	Tue 18/04/23 09:00	89	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
91			Inspect condition of the base for wear and security	1 hr	Tue 18/04/23 09:00	Tue 18/04/23 10:00	90	G Kapenda,O Keamogetswe
92			Inspect discharge and suction flange bolts for tightness	0.5 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:30	91	G Kapenda,O Keamogetswe
93			Drain used oil and refill with new oil	1.5 hrs	Tue 18/04/23 10:30	Tue 18/04/23 12:00	92	G Kapenda,O Keamogetswe
94			Carry out laser alignment	3 hrs	Tue 18/04/23 12:30	Tue 18/04/23 15:30	93	Reliability
95			Install guard	0.5 hrs	Tue 18/04/23 15:30	Tue 18/04/23 16:00	94	G Kapenda,O Keamogetswe
96			Clear permit	0.25 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:15	95	G Kapenda,O Keamogetswe
97		**65A2FB03**	**SOFTENED WATER TANK - Service suction Valves**	**10.25 hrs**	**Tue 18/04/23 16:15**	**Wed 19/04/23 16:00**	**84**	
98			Issue permit to work	0.25 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:30		Operations
99			Accept permit	0.25 hrs	Tue 18/04/23 16:30	Tue 18/04/23 16:45	98	G Kapenda,O Keamogetswe
100			Carry out risk assessment	0.25 hrs	Tue 18/04/23 16:45	Tue 18/04/23 17:00	99	Contractor,G Kapenda,O Keamogetswe
101			Remove valve	2 hrs	Tue 18/04/23 17:00	Wed 19/04/23 08:00	100	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
102			Transport to workshop	0.5 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:30	101	G Moeseraela,T Moloi,K Gabantogele
103			Overhaul valve	4 hrs	Wed 19/04/23 08:30	Wed 19/04/23 13:00	102	Contractor
104			Transport valve to site	0.5 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:30	103	G Moeseraela,T Moloi,K Gabantogele
105			Rig in and align valve	2 hrs	Wed 19/04/23 13:30	Wed 19/04/23 15:30	104	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
106			Carry out housekeeping	0.25 hrs	Wed 19/04/23 15:30	Wed 19/04/23 15:45	105	G Kapenda,O Keamogetswe
107			Clear permit	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	106	G Kapenda,O Keamogetswe
108			**INSTRUMENTATION**	**17 hrs**	**Mon 17/04/23 06:30**	**Tue 18/04/23 14:00**		
109		**65LSLL020**	**BRACKISH WATER TANK LEVEL SWITCH - Inspect switch**	**5.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 13:00**		
110			Make out permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
111			Accept permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	110	Ash-Inst1,SS-Ash-Ins1
112			Remove switch	1 hr	Mon 17/04/23 07:15	Mon 17/04/23 08:15	111	Ash-Inst1,SS-Ash-Ins1
113			Inspect switch	2 hrs	Mon 17/04/23 08:15	Mon 17/04/23 10:15	112	Ash-Inst1,SS-Ash-Ins1
114			Install	1 hr	Mon 17/04/23 10:15	Mon 17/04/23 11:15	113	Ash-Inst1,SS-Ash-Ins1
115			Carry out trip check	1 hr	Mon 17/04/23 11:15	Mon 17/04/23 12:45	114	Ash-Inst1,SS-Ash-Ins1
116			Clear permit	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	115	Ash-Inst1,SS-Ash-Ins1
117		**65PSL009**	**BRACKISH WATER PRESSURE - Inspect switch**	**5.75 hrs**	**Mon 17/04/23 13:00**	**Tue 18/04/23 07:45**	**109**	
118			Make out permit	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15		Operations
119			Accept permit	0.25 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:30	118	Ash-Inst1,SS-Ash-Ins1
120			Remove switch	1 hr	Mon 17/04/23 13:30	Mon 17/04/23 14:30	119	Ash-Inst1,SS-Ash-Ins1
121			Inspect switch	2 hrs	Mon 17/04/23 14:30	Mon 17/04/23 16:30	120	Ash-Inst1,SS-Ash-Ins1
122			Install	1 hr	Mon 17/04/23 16:30	Mon 17/04/23 17:30	121	Ash-Inst1,SS-Ash-Ins1
123			Carry out trip check	1 hr	Mon 17/04/23 17:30	Tue 18/04/23 07:30	122	Ash-Inst1,SS-Ash-Ins1
124			Clear permit	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	123	Ash-Inst1,SS-Ash-Ins1
125		**65LSLL017**	**SOFT WATER TANK LEVEL TRIP – Inspect switch**	**5.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 13:00**	**71SS**	
126			Make out permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
127			Accept permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	126	Ash-Inst1,SS-Ash-Ins1
128			Remove switch	1 hr	Mon 17/04/23 07:15	Mon 17/04/23 08:15	127	Ash-Inst1,SS-Ash-Ins1
129			Inspect switch	2 hrs	Mon 17/04/23 08:15	Mon 17/04/23 10:15	128	Ash-Inst1,SS-Ash-Ins1
130			Install	1 hr	Mon 17/04/23 10:15	Mon 17/04/23 11:15	129	Ash-Inst1,SS-Ash-Ins1
131			Carry out trip check	1 hr	Mon 17/04/23 11:15	Mon 17/04/23 12:45	130	Ash-Inst1,SS-Ash-Ins1
132			Clear permit	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	131	Ash-Inst1,SS-Ash-Ins1
133		**65LSLL018**	**SOFT WATER TANK LEVEL TRIP – Inspect switch**	**5.75 hrs**	**Mon 17/04/23 13:00**	**Tue 18/04/23 07:45**	**125**	
134			Make out permit	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15		Operations
135			Accept permit	0.25 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:30	134	Ash-Inst1,SS-Ash-Ins1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
136			Remove switch	1 hr	Mon 17/04/23 13:30	Mon 17/04/23 14:30	135	Ash-Inst1,SS-Ash-Ins1
137			Inspect switch	2 hrs	Mon 17/04/23 14:30	Mon 17/04/23 16:30	136	Ash-Inst1,SS-Ash-Ins1
138			Install	1 hr	Mon 17/04/23 16:30	Mon 17/04/23 17:30	137	Ash-Inst1,SS-Ash-Ins1
139			Carry out trip check	1 hr	Mon 17/04/23 17:30	Tue 18/04/23 07:30	138	Ash-Inst1,SS-Ash-Ins1
140			Clear permit	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	139	Ash-Inst1,SS-Ash-Ins1
141		**65LSLL019**	**SOFT WATER TANK LEVEL TRIP – Inspect switch**	**5.75 hrs**	**Tue 18/04/23 07:45**	**Tue 18/04/23 14:00**	**133**	
142			Make out permit	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00		Operations
143			Accept permit	0.25 hrs	Tue 18/04/23 08:00	Tue 18/04/23 08:15	142	Ash-Inst1,SS-Ash-Ins1
144			Remove switch	1 hr	Tue 18/04/23 08:15	Tue 18/04/23 09:15	143	Ash-Inst1,SS-Ash-Ins1
145			Inspect switch	2 hrs	Tue 18/04/23 09:15	Tue 18/04/23 11:15	144	Ash-Inst1,SS-Ash-Ins1
146			Install	1 hr	Tue 18/04/23 11:15	Tue 18/04/23 12:45	145	Ash-Inst1,SS-Ash-Ins1
147			Carry out trip check	1 hr	Tue 18/04/23 12:45	Tue 18/04/23 13:45	146	Ash-Inst1,SS-Ash-Ins1
148			Clear permit	0.25 hrs	Tue 18/04/23 13:45	Tue 18/04/23 14:00	147	Ash-Inst1,SS-Ash-Ins1
149			**ELECTRICAL**	**24 hrs**	**Mon 17/04/23 07:00**	**Wed 19/04/23 10:00**		
150		**27B2EA09**	**TRIM HEATER CONDENSATE PUMP - Carry out maintenance on electrical components**	**3.25 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 10:15**		
151			Accept permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		
152			Carry out electrical isolation	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	151	L Majoo,P Matebele
153			Check loose connections in the panel	0.25 hrs	Mon 17/04/23 07:30	Mon 17/04/23 07:45	152	L Majoo,P Matebele
154			Check Contactor contacts/soft starter connetions	0.25 hrs	Mon 17/04/23 07:45	Mon 17/04/23 08:00	153	L Majoo,P Matebele
155			Confirm correct setting of protections	0.25 hrs	Mon 17/04/23 08:00	Mon 17/04/23 08:15	154	L Majoo,P Matebele
156			Service Stop/start	0.5 hrs	Mon 17/04/23 08:15	Mon 17/04/23 08:45	155	L Majoo,P Matebele
157			Check motor fan condition	0.5 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:15	156	L Majoo,P Matebele
158			Check cable terminal leads for over heating	0.25 hrs	Mon 17/04/23 09:15	Mon 17/04/23 09:30	157	L Majoo,P Matebele
159			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 17/04/23 09:30	Mon 17/04/23 09:45	158	L Majoo,P Matebele
160			Seal for Moisture and dust.	0.25 hrs	Mon 17/04/23 09:45	Mon 17/04/23 10:00	159	L Majoo,P Matebele
161			Clear permit	0.25 hrs	Mon 17/04/23 10:00	Mon 17/04/23 10:15	160	L Majoo,P Matebele
162		**21A2GA03**	**HIGH PRESSURE PUMP A - Carry out maintenance on electrical components**	**3.5 hrs**	**Mon 17/04/23 10:15**	**Mon 17/04/23 14:15**	**150**	
163			Make out permit	0.25 hrs	Mon 17/04/23 10:15	Mon 17/04/23 10:30		
164			Accept permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45	163	L Majoo,P Matebele
165			Carry out electrical isolation	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	164	L Majoo,P Matebele
166			Check loose connections in the panel	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	165	L Majoo,P Matebele
167			Check Contactor contacts/soft starter connetions	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	166	L Majoo,P Matebele
168			Confirm correct setting of protections	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	167	L Majoo,P Matebele
169			Service Stop/start	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	168	L Majoo,P Matebele
170			Check motor fan condition	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	169	L Majoo,P Matebele
171			Check cable terminal leads for over heating	0.25 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:30	170	L Majoo,P Matebele
172			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 17/04/23 13:30	Mon 17/04/23 13:45	171	L Majoo,P Matebele
173			Seal for Moisture and dust.	0.25 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:00	172	L Majoo,P Matebele
174			Clear permit	0.25 hrs	Mon 17/04/23 14:00	Mon 17/04/23 14:15	173	L Majoo,P Matebele
175		**21A2GA04**	**HIGH PRESSURE PUMP B - Carry out maintenance on electrical components**	**3.5 hrs**	**Mon 17/04/23 14:15**	**Mon 17/04/23 17:45**	**162**	
176			Make out permit	0.25 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:30		
177			Accept permit	0.25 hrs	Mon 17/04/23 14:30	Mon 17/04/23 14:45	176	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
178			Carry out electrical isolation	0.25 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:00	177	L Majoo,P Matebele
179			Check loose connections in the panel	0.25 hrs	Mon 17/04/23 15:00	Mon 17/04/23 15:15	178	L Majoo,P Matebele
180			Check Contactor contacts/soft starter connetions	0.25 hrs	Mon 17/04/23 15:15	Mon 17/04/23 15:30	179	L Majoo,P Matebele
181			Confirm correct setting of protections	0.25 hrs	Mon 17/04/23 15:30	Mon 17/04/23 15:45	180	L Majoo,P Matebele
182			Service Stop/start	0.5 hrs	Mon 17/04/23 15:45	Mon 17/04/23 16:15	181	L Majoo,P Matebele
183			Check motor fan condition	0.5 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:45	182	L Majoo,P Matebele
184			Check cable terminal leads for over heating	0.25 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:00	183	L Majoo,P Matebele
185			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 17/04/23 17:00	Mon 17/04/23 17:15	184	L Majoo,P Matebele
186			Seal for Moisture and dust.	0.25 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:30	185	L Majoo,P Matebele
187			Clear permit	0.25 hrs	Mon 17/04/23 17:30	Mon 17/04/23 17:45	186	L Majoo,P Matebele
188		**21A2GA01**	**HOT WASH CIRCULATION PUMP A - Carry out maintenance on electrical components**	**3.5 hrs**	**Mon 17/04/23 17:45**	**Tue 18/04/23 10:15**	**175**	
189			Make out permit	0.25 hrs	Mon 17/04/23 17:45	Mon 17/04/23 18:00		
190			Accept permit	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	189	L Majoo,P Matebele
191			Carry out electrical isolation	0.25 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:30	190	L Majoo,P Matebele
192			Check loose connections in the panel	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	191	L Majoo,P Matebele
193			Check Contactor contacts/soft starter connetions	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00	192	L Majoo,P Matebele
194			Confirm correct setting of protections	0.25 hrs	Tue 18/04/23 08:00	Tue 18/04/23 08:15	193	L Majoo,P Matebele
195			Service Stop/start	0.5 hrs	Tue 18/04/23 08:15	Tue 18/04/23 08:45	194	L Majoo,P Matebele
196			Check motor fan condition	0.5 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:15	195	L Majoo,P Matebele
197			Check cable terminal leads for over heating	0.25 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:30	196	L Majoo,P Matebele
198			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 18/04/23 09:30	Tue 18/04/23 09:45	197	L Majoo,P Matebele
199			Seal for Moisture and dust.	0.25 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:00	198	L Majoo,P Matebele
200			Clear permit	0.25 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:15	199	L Majoo,P Matebele
201		**21A2GA02**	**HOT WASH CIRCULATION PUMP B - Carry out maintenance on electrical components**	**3.25 hrs**	**Tue 18/04/23 10:15**	**Tue 18/04/23 14:00**	**188**	
202			Make out permit	0.25 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:30		Operations
203			Accept permit	0.25 hrs	Tue 18/04/23 10:30	Tue 18/04/23 10:45	202	L Majoo,P Matebele
204			Carry out electrical isolation	0.25 hrs	Tue 18/04/23 10:45	Tue 18/04/23 11:00	203	L Majoo,P Matebele
205			Check loose connections in the panel	0.25 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:15	204	L Majoo,P Matebele
206			Confirm correct setting of protections	0.25 hrs	Tue 18/04/23 11:15	Tue 18/04/23 11:30	205	L Majoo,P Matebele
207			Service Stop/start	0.5 hrs	Tue 18/04/23 11:30	Tue 18/04/23 12:00	206	L Majoo,P Matebele
208			Check motor fan condition	0.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 13:00	207	L Majoo,P Matebele
209			Check cable terminal leads for over heating	0.25 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:15	208	L Majoo,P Matebele
210			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 18/04/23 13:15	Tue 18/04/23 13:30	209	L Majoo,P Matebele
211			Seal for Moisture and dust.	0.25 hrs	Tue 18/04/23 13:30	Tue 18/04/23 13:45	210	L Majoo,P Matebele
212			Clear permit	0.25 hrs	Tue 18/04/23 13:45	Tue 18/04/23 14:00	211	L Majoo,P Matebele
213		**27B2GA01**	**HOT WASH PUMP B - Carry out maintenance on electrical components**	**3.5 hrs**	**Tue 18/04/23 14:00**	**Tue 18/04/23 17:30**	**201**	
214			Make out permit	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15		Operations
215			Accept permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30	214	L Majoo,P Matebele
216			Carry out electrical isolation	0.25 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:45	215	L Majoo,P Matebele
217			Check loose connections in the panel	0.25 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:00	216	L Majoo,P Matebele
218			Check Contactor contacts/soft starter connetions	0.25 hrs	Tue 18/04/23 15:00	Tue 18/04/23 15:15	217	L Majoo,P Matebele
219			Confirm correct setting of protections	0.25 hrs	Tue 18/04/23 15:15	Tue 18/04/23 15:30	218	L Majoo,P Matebele
220			Service Stop/start	0.5 hrs	Tue 18/04/23 15:30	Tue 18/04/23 16:00	219	L Majoo,P Matebele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
221		Check motor fan condition	0.5 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:30	220	L Majoo,P Matebele
222		Check cable terminal leads for over heating	0.25 hrs	Tue 18/04/23 16:30	Tue 18/04/23 16:45	221	L Majoo,P Matebele
223		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 18/04/23 16:45	Tue 18/04/23 17:00	222	L Majoo,P Matebele
224		Seal for Moisture and dust.	0.25 hrs	Tue 18/04/23 17:00	Tue 18/04/23 17:15	223	L Majoo,P Matebele
225		Clear permit	0.25 hrs	Tue 18/04/23 17:15	Tue 18/04/23 17:30	224	L Majoo,P Matebele
226	**27A2GK01**	**HOT WASH PUMP A - Carry out maintenance on electrical components**	**3.5 hrs**	**Tue 18/04/23 17:30**	**Wed 19/04/23 10:00**	**213**	
227		Make out permit	0.25 hrs	Tue 18/04/23 17:30	Tue 18/04/23 17:45		Operations
228		Accept permit	0.25 hrs	Tue 18/04/23 17:45	Tue 18/04/23 18:00	227	L Majoo,P Matebele
229		Carry out electrical isolation	0.25 hrs	Wed 19/04/23 07:00	Wed 19/04/23 07:15	228	L Majoo,P Matebele
230		Check loose connections in the panel	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30	229	L Majoo,P Matebele
231		Check Contactor contacts/soft starter connetions	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	230	L Majoo,P Matebele
232		Confirm correct setting of protections	0.25 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:00	231	L Majoo,P Matebele
233		Service Stop/start	0.5 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:30	232	L Majoo,P Matebele
234		Check motor fan condition	0.5 hrs	Wed 19/04/23 08:30	Wed 19/04/23 09:00	233	L Majoo,P Matebele
235		Check cable terminal leads for over heating	0.25 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:15	234	L Majoo,P Matebele
236		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:30	235	L Majoo,P Matebele
237		Seal for Moisture and dust.	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45	236	L Majoo,P Matebele
238		Clear permit	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	237	L Majoo,P Matebele
239	**Area 65A**	**FIRE HYDRANT SYSTEM**	**35.25 hrs**	**Wed 26/04/23 17:02**	**Sun 30/04/23 09:47**		
240		**MAINTENANCE STARTS**	**0 hrs**	**Wed 26/04/23 17:02**	**Wed 26/04/23 17:02**	**5SS**	
241		Maintenance jobs commence	0 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:02		
242		**MECHANICAL**	**35.25 hrs**	**Wed 26/04/23 17:02**	**Sun 30/04/23 09:47**	**241**	
243	**65B2GA01**	**FIRE HYDRANTS JOCKIE PUMPS - Inspect Fire Hydrant Pump**	**11.75 hrs**	**Wed 26/04/23 17:02**	**Fri 28/04/23 07:17**		
244		Make Out Permit	0.25 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:17		Operations
245		Accept Permit	0.25 hrs	Wed 26/04/23 17:17	Wed 26/04/23 17:32	244	G Kapenda,O Keamogetswe
246		Remove Guard	0.5 hrs	Wed 26/04/23 17:32	Thu 27/04/23 07:02	245	G Kapenda,O Keamogetswe
247		Inspect Coupling	1 hr	Thu 27/04/23 07:02	Thu 27/04/23 08:02	246	G Kapenda,O Keamogetswe
248		Check all mounting bolts	0.5 hrs	Thu 27/04/23 08:02	Thu 27/04/23 08:32	247	G Kapenda,O Keamogetswe
249		Open check non return valve	0.5 hrs	Thu 27/04/23 08:32	Thu 27/04/23 09:02	248	G Kapenda,O Keamogetswe
250		Check condition of the base	1 hr	Thu 27/04/23 09:02	Thu 27/04/23 10:02	249	G Kapenda,O Keamogetswe
251		Check all flanges both discharge& suction	0.5 hrs	Thu 27/04/23 10:02	Thu 27/04/23 10:32	250	G Kapenda,O Keamogetswe
252		Inspect all belows	1 hr	Thu 27/04/23 10:32	Thu 27/04/23 11:32	251	G Kapenda,O Keamogetswe
253		Drain& Refill Oil	1.5 hrs	Thu 27/04/23 11:32	Thu 27/04/23 13:32	252	G Kapenda,O Keamogetswe
254		Repack glands	1 hr	Thu 27/04/23 13:32	Thu 27/04/23 14:32	253	G Kapenda,O Keamogetswe
255		Carry Out or cross check Laser Alignment	3 hrs	Thu 27/04/23 14:32	Thu 27/04/23 17:32	254	Reliability
256		Replace Guard	0.5 hrs	Thu 27/04/23 17:32	Fri 28/04/23 07:02	255	G Kapenda,O Keamogetswe
257		Clear Permit	0.25 hrs	Fri 28/04/23 07:02	Fri 28/04/23 07:17	256	G Kapenda,O Keamogetswe
258	**65B2GA03**	**FIRE HYDRANTS ELECTRIC PUMPS - Inspect Fire Hydrant Pump**	**11.75 hrs**	**Fri 28/04/23 07:17**	**Sat 29/04/23 08:32**	**243**	
259		Make Out Permit	0.25 hrs	Fri 28/04/23 07:17	Fri 28/04/23 07:32		Operations
260		Accept Permit	0.25 hrs	Fri 28/04/23 07:32	Fri 28/04/23 07:47	259	G Kapenda,O Keamogetswe
261		Remove Guard	0.5 hrs	Fri 28/04/23 07:47	Fri 28/04/23 08:17	260	G Kapenda,O Keamogetswe
262		Inspect Coupling	1 hr	Fri 28/04/23 08:17	Fri 28/04/23 09:17	261	G Kapenda,O Keamogetswe
263		Check all mounting bolts	0.5 hrs	Fri 28/04/23 09:17	Fri 28/04/23 09:47	262	G Kapenda,O Keamogetswe
264		Open check non return valve	0.5 hrs	Fri 28/04/23 09:47	Fri 28/04/23 10:17	263	G Kapenda,O Keamogetswe
265		Check condition of the base	1 hr	Fri 28/04/23 10:17	Fri 28/04/23 11:17	264	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
266			Check all flanges both discharge& suction	0.5 hrs	Fri 28/04/23 11:17	Fri 28/04/23 11:47	265	G Kapenda,O Keamogetswe
267			Inspect all belows	1 hr	Fri 28/04/23 11:47	Fri 28/04/23 13:17	266	G Kapenda,O Keamogetswe
268			Drain& Refill Oil	1.5 hrs	Fri 28/04/23 13:17	Fri 28/04/23 14:47	267	G Kapenda,O Keamogetswe
269			Repack glands	1 hr	Fri 28/04/23 14:47	Fri 28/04/23 15:47	268	G Kapenda,O Keamogetswe
270			Carry Out or cross check Laser Alignment	3 hrs	Fri 28/04/23 15:47	Sat 29/04/23 07:47	269	Reliability
271			Replace Guard	0.5 hrs	Sat 29/04/23 07:47	Sat 29/04/23 08:17	270	G Kapenda,O Keamogetswe
272			Clear Permit	0.25 hrs	Sat 29/04/23 08:17	Sat 29/04/23 08:32	271	G Kapenda,O Keamogetswe
273		**65B2GA03**	**FIRE HYDRANTS DIESEL PUMPS - Inspect Fire Hydrant Pump**	**11.75 hrs**	**Sat 29/04/23 08:32**	**Sun 30/04/23 09:47**	**258**	
274			Make Out Permit	0.25 hrs	Sat 29/04/23 08:32	Sat 29/04/23 08:47		Operations
275			Accept Permit	0.25 hrs	Sat 29/04/23 08:47	Sat 29/04/23 09:02	274	G Kapenda,O Keamogetswe
276			Remove Guard	0.5 hrs	Sat 29/04/23 09:02	Sat 29/04/23 09:32	275	G Kapenda,O Keamogetswe
277			Inspect Coupling	1 hr	Sat 29/04/23 09:32	Sat 29/04/23 10:32	276	G Kapenda,O Keamogetswe
278			Check all mounting bolts	0.5 hrs	Sat 29/04/23 10:32	Sat 29/04/23 11:02	277	G Kapenda,O Keamogetswe
279			Open check non return valve	0.5 hrs	Sat 29/04/23 11:02	Sat 29/04/23 11:32	278	G Kapenda,O Keamogetswe
280			Check condition of the base	1 hr	Sat 29/04/23 11:32	Sat 29/04/23 13:02	279	G Kapenda,O Keamogetswe
281			Check all flanges both discharge& suction	0.5 hrs	Sat 29/04/23 13:02	Sat 29/04/23 13:32	280	G Kapenda,O Keamogetswe
282			Inspect all belows	1 hr	Sat 29/04/23 13:32	Sat 29/04/23 14:32	281	G Kapenda,O Keamogetswe
283			Drain& Refill Oil	1.5 hrs	Sat 29/04/23 14:32	Sat 29/04/23 16:02	282	G Kapenda,O Keamogetswe
284			Repack glands	1 hr	Sat 29/04/23 16:02	Sat 29/04/23 17:02	283	G Kapenda,O Keamogetswe
285			Carry Out or cross check Laser Alignment	3 hrs	Sat 29/04/23 17:02	Sun 30/04/23 09:02	284	Reliability
286			Replace Guard	0.5 hrs	Sun 30/04/23 09:02	Sun 30/04/23 09:32	285	G Kapenda,O Keamogetswe
287			Clear Permit	0.25 hrs	Sun 30/04/23 09:32	Sun 30/04/23 09:47	286	G Kapenda,O Keamogetswe
288		**65B2MD01**	**FIRE HYDRANT PIPE LINE - Replace MS Pipe with SS**	**24.25 hrs**	**Wed 26/04/23 17:02**	**Sat 29/04/23 09:17**		
289			Fabricate replacement pipe prior	0 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:02		Fab Wshop
290			Transport pipes to site prior	0 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:02	289	M Ramatlhakeng,S Monna
291			Issue permit	0.25 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:17	290	Operations
292			Accept permit	0.25 hrs	Wed 26/04/23 17:17	Wed 26/04/23 17:32	291	M Ramatlhakeng
293			Do risk assessment	0.25 hrs	Wed 26/04/23 17:32	Wed 26/04/23 17:47	292	M Ramatlhakeng,S Monna
294			Cut out bolts	4 hrs	Wed 26/04/23 17:47	Thu 27/04/23 10:47	293	M Ramatlhakeng,S Monna
295			Punch out studs	2 hrs	Thu 27/04/23 10:47	Thu 27/04/23 13:17	294	M Ramatlhakeng,S Monna
296			Rig out old pipes	2 hrs	Thu 27/04/23 13:17	Thu 27/04/23 15:17	295	M Ramatlhakeng,S Monna
297			Install new pipes	6 hrs	Thu 27/04/23 15:17	Fri 28/04/23 10:17	296	M Ramatlhakeng,S Monna
298			Align pipes and tighten bolts	6 hrs	Fri 28/04/23 10:17	Fri 28/04/23 16:47	297	M Ramatlhakeng,S Monna
299			House keeping	2 hrs	Fri 28/04/23 16:47	Sat 29/04/23 07:47	298	M Ramatlhakeng,S Monna
300			Quality inspections	1 hr	Sat 29/04/23 07:47	Sat 29/04/23 08:47	299	M Ramatlhakeng,S Monna
301			Clear permit	0.5 hrs	Sat 29/04/23 08:47	Sat 29/04/23 09:17	300	M Ramatlhakeng,Operations
302			**ELECTRICAL**	**14 hrs**	**Wed 26/04/23 17:02**	**Fri 28/04/23 09:32**	**242SS**	
303		**65B2GA01**	**FIRE FIGHTING JOCKEY PUMP - Carry out maintenance on electrical components**	**6 hrs**	**Wed 26/04/23 17:02**	**Thu 27/04/23 12:32**		
304			Make out permit	0.25 hrs	Wed 26/04/23 17:02	Wed 26/04/23 17:17		Operations
305			Accept permit	0.25 hrs	Wed 26/04/23 17:17	Wed 26/04/23 17:32	304	L Majoo,P Matebele
306			Carry out electrical isolation	0.25 hrs	Wed 26/04/23 17:32	Wed 26/04/23 17:47	305	L Majoo,P Matebele
307			Replace corroded components	1.5 hrs	Wed 26/04/23 17:47	Thu 27/04/23 08:17	306	L Majoo,P Matebele
308			Check loose connections in the panel	0.25 hrs	Thu 27/04/23 08:17	Thu 27/04/23 08:32	307	L Majoo,P Matebele
309			Replace old stop/start box	1 hr	Thu 27/04/23 08:32	Thu 27/04/23 09:32	308	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
310			Check Contactor contacts connetions	0.25 hrs	Thu 27/04/23 09:32	Thu 27/04/23 09:47	309	L Majoo,P Matebele
311			Confirm correct setting of protections	0.25 hrs	Thu 27/04/23 09:47	Thu 27/04/23 10:02	310	L Majoo,P Matebele
312			Service Stop/start	0.5 hrs	Thu 27/04/23 10:02	Thu 27/04/23 10:32	311	L Majoo,P Matebele
313			Check motor fan condition	0.5 hrs	Thu 27/04/23 10:32	Thu 27/04/23 11:02	312	L Majoo,P Matebele
314			Check cable terminal leads for over heating	0.25 hrs	Thu 27/04/23 11:02	Thu 27/04/23 11:17	313	L Majoo,P Matebele
315			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 27/04/23 11:17	Thu 27/04/23 11:32	314	L Majoo,P Matebele
316			Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 11:32	Thu 27/04/23 11:47	315	L Majoo,P Matebele
317			Clear permit	0.25 hrs	Thu 27/04/23 11:47	Thu 27/04/23 12:32	316	L Majoo,P Matebele
318		**65B2GA02**	**FIRE FIGHTING DIESEL PUMP - Carry out maintenance on electrical components**	**4.5 hrs**	**Thu 27/04/23 12:32**	**Thu 27/04/23 17:02**	**303**	
319			Make out permit	0.25 hrs	Thu 27/04/23 12:32	Thu 27/04/23 12:47		Operations
320			Accept permit	0.25 hrs	Thu 27/04/23 12:47	Thu 27/04/23 13:02	319	L Majoo,P Matebele
321			Carry out electrical isolation	0.25 hrs	Thu 27/04/23 13:02	Thu 27/04/23 13:17	320	L Majoo,P Matebele
322			Replace old stop/start box	1 hr	Thu 27/04/23 13:17	Thu 27/04/23 14:17	321	L Majoo,P Matebele
323			Check loose connections in the panel	0.25 hrs	Thu 27/04/23 14:17	Thu 27/04/23 14:32	322	L Majoo,P Matebele
324			Check Contactor contacts connetions	0.25 hrs	Thu 27/04/23 14:32	Thu 27/04/23 14:47	323	L Majoo,P Matebele
325			Confirm correct setting of protections	0.25 hrs	Thu 27/04/23 14:47	Thu 27/04/23 15:02	324	L Majoo,P Matebele
326			Service Stop/start	0.5 hrs	Thu 27/04/23 15:02	Thu 27/04/23 15:32	325	L Majoo,P Matebele
327			Check motor fan condition	0.5 hrs	Thu 27/04/23 15:32	Thu 27/04/23 16:02	326	L Majoo,P Matebele
328			Check cable terminal leads for over heating	0.25 hrs	Thu 27/04/23 16:02	Thu 27/04/23 16:17	327	L Majoo,P Matebele
329			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 27/04/23 16:17	Thu 27/04/23 16:32	328	L Majoo,P Matebele
330			Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 16:32	Thu 27/04/23 16:47	329	L Majoo,P Matebele
331			Clear permit	0.25 hrs	Thu 27/04/23 16:47	Thu 27/04/23 17:02	330	L Majoo,P Matebele
332		**65B2GA03**	**FIRE FIGHTING ELECTRICAL PUMP - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 27/04/23 17:02**	**Fri 28/04/23 09:32**	**318**	
333			Make out permit	0.25 hrs	Thu 27/04/23 17:02	Thu 27/04/23 17:17		Operations
334			Accept permit	0.25 hrs	Thu 27/04/23 17:17	Thu 27/04/23 17:32	333	L Majoo,P Matebele
335			Carry out electrical isolation	0.25 hrs	Thu 27/04/23 17:32	Thu 27/04/23 17:47	334	L Majoo,P Matebele
336			Check loose connections in the panel	0.25 hrs	Thu 27/04/23 17:47	Fri 28/04/23 07:02	335	L Majoo,P Matebele
337			Check Contactor contacts connetions	0.25 hrs	Fri 28/04/23 07:02	Fri 28/04/23 07:17	336	L Majoo,P Matebele
338			Confirm correct setting of protections	0.25 hrs	Fri 28/04/23 07:17	Fri 28/04/23 07:32	337	L Majoo,P Matebele
339			Service Stop/start	0.5 hrs	Fri 28/04/23 07:32	Fri 28/04/23 08:02	338	L Majoo,P Matebele
340			Check motor fan condition	0.5 hrs	Fri 28/04/23 08:02	Fri 28/04/23 08:32	339	L Majoo,P Matebele
341			Check cable terminal leads for over heating	0.25 hrs	Fri 28/04/23 08:32	Fri 28/04/23 08:47	340	L Majoo,P Matebele
342			Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 28/04/23 08:47	Fri 28/04/23 09:02	341	L Majoo,P Matebele
343			Seal for Moisture and dust.	0.25 hrs	Fri 28/04/23 09:02	Fri 28/04/23 09:17	342	L Majoo,P Matebele
344			Clear permit	0.25 hrs	Fri 28/04/23 09:17	Fri 28/04/23 09:32	343	L Majoo,P Matebele
345			Water Plant Maintenance Complete	0 hrs	Sun 30/04/23 09:47	Sun 30/04/23 09:47	4,239	
346		**Area 21A**	**HOT WASH WATER SYSTEM**	**144 hrs**	**Mon 17/04/23 06:30**	**Sun 30/04/23 15:00**		
347			**OPERATIONS**	**42 hrs**	**Mon 17/04/23 06:30**	**Fri 21/04/23 03:00**		
348		**21A2FB01**	**HOT WASH WATER HEATER - Cleaning**	**27.25 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 13:45**		
349			Organise high pressure washer prior	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
350			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45	349	Operations
351			Accept Permit	0.25 hrs	Mon 17/04/23 06:45	Mon 17/04/23 07:00	350	Operations
352			Undo top dome bolts	2 hrs	Mon 17/04/23 07:00	Mon 17/04/23 09:00	351	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
353			Remove top dome	1 hr	Mon 17/04/23 09:00	Mon 17/04/23 10:00	352	M-Crane 30Ton,G Kapenda,O Keamogetswe,G Moese
354			Undo bottom dome bolts	2 hrs	Mon 17/04/23 10:00	Mon 17/04/23 12:00	353	G Kapenda,O Keamogetswe
355			Remove bottom dome	1 hr	Mon 17/04/23 12:30	Mon 17/04/23 13:30	354	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
356			Inspect Tube Bundle	0.5 hrs	Mon 17/04/23 13:30	Mon 17/04/23 14:00	355	Operations
357			Wash with water lance	30 hrs	Mon 17/04/23 14:00	Tue 18/04/23 20:00	356	Operations
358			Rig in bottom dome	1 hr	Wed 19/04/23 07:00	Wed 19/04/23 08:00	357	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
359			Tighten bolts	2 hrs	Wed 19/04/23 08:00	Wed 19/04/23 10:00	358	G Kapenda,O Keamogetswe
360			Rig in top dome	1 hr	Wed 19/04/23 10:00	Wed 19/04/23 11:00	359	M-Crane 30Ton,G Kapenda,O Keamogetswe,G Moese
361			Tighten bolts	2 hrs	Wed 19/04/23 11:00	Wed 19/04/23 13:30	360	G Kapenda,O Keamogetswe
362			Clear Permit	0.25 hrs	Wed 19/04/23 13:30	Wed 19/04/23 13:45	361	Operations
363		**21A2FB01**	**HOT WASH WATER TANK - Cleaning**	**11.96 hrs**	**Wed 19/04/23 16:32**	**Fri 21/04/23 03:00**	**632SS+2.1**	
364			Organize hoses, mops, buckets and brooms (prior)	0 hrs	Wed 19/04/23 16:32	Wed 19/04/23 16:32		Operations
365			Drain tank	1.5 hrs	Wed 19/04/23 16:32	Wed 19/04/23 18:02	364	Operations
366			Make out permit	0.25 hrs	Wed 19/04/23 18:02	Wed 19/04/23 18:17	365	Operations
367			Accept permit	0.25 hrs	Wed 19/04/23 18:17	Wed 19/04/23 18:32	366	Operations
368			Open manhole covers	3 hrs	Thu 20/04/23 07:00	Thu 20/04/23 10:00	367	G Kapenda,O Keamogetswe
369			Obtain vessel entry permit	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	368	Operations
370			Carry out gas test	0.5 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:45	369	Laboratory
371			Clean, hose and mop tank internally	16 hrs	Thu 20/04/23 10:45	Fri 21/04/23 02:45	370	Operations
372			Clear permit	0.25 hrs	Fri 21/04/23 02:45	Fri 21/04/23 03:00	371	Operations
373			**MAINTENANCE STARTS**	**0 hrs**	**Fri 21/04/23 03:00**	**Fri 21/04/23 03:00**	**347**	
374			Maintenance jobs commence	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00		
375			**MECHANICAL**	**102 hrs**	**Fri 21/04/23 03:00**	**Sun 30/04/23 15:00**	**373**	
376		**21A2FB01**	**HWW CIRCULATION PIPELINE - Replace carbon steel with stainless steel pipes**	**12.75 hrs**	**Fri 21/04/23 03:00**	**Sat 22/04/23 09:15**		
377			Erect scaffolding prior	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00		G Moeseraela,T Moloi,K Gabantogele
378			Fabricate replacement pipes prior	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00	377	Fab Wshop
379			Make out permit	0.25 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:15	378	Operations
380			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	379	G Kapenda,O Keamogetswe
381			Undo and remove flange bolts	4 hrs	Fri 21/04/23 07:15	Fri 21/04/23 11:15	380	G Kapenda,O Keamogetswe
382			Rig out old pipes	2 hrs	Fri 21/04/23 11:15	Fri 21/04/23 13:45	381	M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
383			Rig in new pipes	2 hrs	Fri 21/04/23 13:45	Fri 21/04/23 15:45	382	M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
384			Align and install nuts	3 hrs	Fri 21/04/23 15:45	Sat 22/04/23 07:45	383	Carbo-FT2,Crane,Ash-SSRig1,Carbo-SSFT2,G Moeserae
385			Tighten bolts	1 hr	Sat 22/04/23 07:45	Sat 22/04/23 08:45	384	G Kapenda,O Keamogetswe
386			Carry out housekeeping	0.25 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:00	385	G Kapenda,O Keamogetswe
387			Clear permit	0.25 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:15	386	G Kapenda,O Keamogetswe
388		**21A2FB01**	**HOT WASH WATER PIPE LINE - Replace fibreglass pipe With Stainless Steel Pipe**	**12 hrs**	**Sat 22/04/23 09:15**	**Sun 23/04/23 10:45**	**376**	
389			Fabricate replacement pipe prior	0 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:15		M Ramatlhakeng,S Monna
390			Make out permit	0.25 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:30	389	Operations
391			Accept permit	0.25 hrs	Sat 22/04/23 09:30	Sat 22/04/23 09:45	390	G Kapenda,O Keamogetswe
392			Undo and remove flange bolts	4 hrs	Sat 22/04/23 09:45	Sat 22/04/23 14:15	391	G Kapenda,O Keamogetswe
393			Rig out fibreglass pipe	2 hrs	Sat 22/04/23 14:15	Sat 22/04/23 16:15	392	Crane,Ash-SSRig1,G Moeseraela,T Moloi,K Gabantoge
394			Rig in stainless steel pipe	2 hrs	Sat 22/04/23 16:15	Sun 23/04/23 07:15	393	Crane,Ash-SSRig1,G Moeseraela,T Moloi,K Gabantoge
395			Align and install nuts	2 hrs	Sun 23/04/23 07:15	Sun 23/04/23 09:15	394	Carbo-FT2,Crane,Ash-SSRig1,Carbo-SSFT2,G Moeserae

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
396			Tighten bolts	1 hr	Sun 23/04/23 09:15	Sun 23/04/23 10:15	395	G Kapenda,O Keamogetswe
397			Carry out housekeeping	0.25 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:30	396	G Kapenda,O Keamogetswe
398			Clear permit	0.25 hrs	Sun 23/04/23 10:30	Sun 23/04/23 10:45	397	G Kapenda,O Keamogetswe
399		**21A2FB01**	**HOT WASH WATER HEATER - Replace drain valve**	**3.75 hrs**	**Fri 21/04/23 03:00**	**Fri 21/04/23 10:45**		
400			Remove lagging prior	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00		
401			Make out permit	0.25 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:15	400	Operations
402			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	401	G Kapenda,O Keamogetswe
403			Cut out old valve	1 hr	Fri 21/04/23 07:15	Fri 21/04/23 08:15	402	M Ramatlhakeng,S Monna
404			Install new valve	1 hr	Fri 21/04/23 08:15	Fri 21/04/23 09:15	403	M Ramatlhakeng,S Monna
405			Weld valve into place	1 hr	Fri 21/04/23 09:15	Fri 21/04/23 10:15	404	Weld (Ash)
406			House keeping	0.25 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:30	405	Welder,G Kapenda,O Keamogetswe,M Ramatlhakeng,
407			Clear permit	0.25 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:45	406	G Kapenda,O Keamogetswe
408		**21A2FB01**	**HOT WASH PUMP #A & B - Replace Fibre Glass Suction Pipe with Stainless Steel Pipe**	**23.5 hrs**	**Sun 23/04/23 10:45**	**Tue 25/04/23 13:45**	**388**	
409			Accept permit	0.25 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:00		M Ramatlhakeng,S Monna
410			Carry out risk assement	0.25 hrs	Sun 23/04/23 11:00	Sun 23/04/23 11:15	409	M Ramatlhakeng,S Monna
411			Cut out bolts	4 hrs	Sun 23/04/23 11:15	Sun 23/04/23 15:45	410	M Ramatlhakeng,S Monna
412			Rig out old pipe	2 hrs	Sun 23/04/23 15:45	Sun 23/04/23 17:45	411	RIG-SSRig1,G Moeseraela,T Moloi,K Gabantogele
413			Rig in new pipe	2 hrs	Sun 23/04/23 17:45	Mon 24/04/23 08:45	412	RIG-SSRig1,G Moeseraela,T Moloi,K Gabantogele
414			Align flanges insert gaskets & insert bolts	4 hrs	Mon 24/04/23 08:45	Mon 24/04/23 13:15	413	M Ramatlhakeng,S Monna
415			Align, square & tag pipes in position	2 hrs	Mon 24/04/23 13:15	Mon 24/04/23 15:15	414	M Ramatlhakeng,S Monna
416			Weld up pipe	6 hrs	Mon 24/04/23 15:15	Tue 25/04/23 10:15	415	Ash-Weld1
417			Decontamination process	2 hrs	Tue 25/04/23 10:15	Tue 25/04/23 12:15	416	Operations
418			Housekeeping	1 hr	Tue 25/04/23 12:30	Tue 25/04/23 13:30	417	Ash-Weld1,M Ramatlhakeng,S Monna
419			Sign off & clear permit	0.25 hrs	Tue 25/04/23 13:30	Tue 25/04/23 13:45	418	Ash-Weld1,M Ramatlhakeng,S Monna
420		**21A2FB01**	**HOT WASH PUMP - Repair Fibre Glass Line (Fibre Glass Specialist)**	**24.25 hrs**	**Tue 25/04/23 13:45**	**Thu 27/04/23 17:00**	**408**	
421			Clean the area(prior)	0.25 hrs	Tue 25/04/23 13:45	Tue 25/04/23 14:00		Operations
422			Make out permit	0.25 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:15	421	Operations
423			Accept permit to work	0.25 hrs	Tue 25/04/23 14:15	Tue 25/04/23 14:30	422	G Kapenda,O Keamogetswe
424			Carry out risk assesment	0.25 hrs	Tue 25/04/23 14:30	Tue 25/04/23 14:45	423	Ash-SSRig1,Fibrewound,G Kapenda,O Keamogetswe,G
425			Support the pipe to be cut with correct lifting gear	0.5 hrs	Tue 25/04/23 14:45	Tue 25/04/23 15:15	424	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
426			Unbolt the clamps securing the pipes(saddle clamps)	0.5 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:45	425	Fibrewound,G Kapenda,O Keamogetswe
427			Cut a section of the pipe to be replaced and remove it using correct lifting gear	5 hrs	Tue 25/04/23 15:45	Wed 26/04/23 09:45	426	Fibrewound,G Kapenda,O Keamogetswe
428			Rig a new pipe in position and align with an existing pipe	5 hrs	Wed 26/04/23 09:45	Wed 26/04/23 15:15	427	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
429			Join and bond the pipes together using the material and chemicals provided	5 hrs	Wed 26/04/23 15:15	Thu 27/04/23 09:15	428	Fibrewound,G Kapenda,O Keamogetswe
430			Allow them to cure	5 hrs	Thu 27/04/23 09:15	Thu 27/04/23 14:45	429	Fibrewound,G Kapenda,O Keamogetswe
431			Lower the pipes on the saddles and secure them	1 hr	Thu 27/04/23 14:45	Thu 27/04/23 15:45	430	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
432			Remove the lifting gear	1 hr	Thu 27/04/23 15:45	Thu 27/04/23 16:45	431	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
433			Carry out housekeeping	0.25 hrs	Thu 27/04/23 16:45	Thu 27/04/23 17:00	432	Fibrewound,Ash-SSRig1,G Kapenda,O Keamogetswe,G
434			Dismantle the scaffolding	0 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:00	433	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
435			Sign off the permit	0 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:00	434	G Kapenda,O Keamogetswe
436		**21A2GA01**	**HOT WASH PUMP A - Overhaul pump**	**22 hrs**	**Fri 21/04/23 03:00**	**Sun 23/04/23 08:00**		
437			Make Out Permit	0.25 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:15		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
438		Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	437	G Kapenda,O Keamogetswe
439		Loosen Bolts	1.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 08:45	438	G Kapenda,O Keamogetswe
440		Remove Guard	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	439	G Kapenda,O Keamogetswe
441		Remove Pump	2 hrs	Fri 21/04/23 09:15	Fri 21/04/23 11:15	440	Carbo-FT5,Ash-SSRig1,M-Crane 7Ton,SCarbo-FT6,G M
442		Transport Pump To Workshop	0.5 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:45	441	M-Crane 7Ton,Rig (Carb
443		Strip Out And Overhaul Pump	12 hrs	Fri 21/04/23 11:45	Sat 22/04/23 13:45	442	G Kapenda,O Keamogetswe
444		Transport Pump To Plant	0.5 hrs	Sat 22/04/23 13:45	Sat 22/04/23 14:15	443	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
445		Install And Secure Pump	2 hrs	Sat 22/04/23 14:15	Sat 22/04/23 16:15	444	Carbo-FT5,Ash-SSRig1,M-Crane 7Ton,SCarbo-FT6,G M
446		Align Pump	2 hrs	Sat 22/04/23 16:15	Sun 23/04/23 07:15	445	Carbo-FT5,Reliability,SCarbo-FT6
447		Replace Guard	0.5 hrs	Sun 23/04/23 07:15	Sun 23/04/23 07:45	446	G Kapenda,O Keamogetswe
448		Clear Permit	0.25 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:00	447	G Kapenda,O Keamogetswe
449	**21A2GA01**	**HOT WASH PUMP A - Inspect Non Return Valve**	**8 hrs**	**Fri 21/04/23 03:00**	**Fri 21/04/23 15:30**		
450		Erect working platform prior	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00		
451		Clean The Area (Prior)	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00	450	Operations
452		Make Out Permits	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	451	G Kapenda,O Keamogetswe
453		Accept Permit To Work	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	452	G Kapenda,O Keamogetswe
454		Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 07:30	Fri 21/04/23 07:45	453	G Kapenda,O Keamogetswe
455		Support The Valve To Be inspected With A Crane	0.25 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:00	454	Carbo-FT2,Ash-SSRig1,M-Crane 7Ton,Carbo-SSFT2,G M
456		Loosen And Remove The Securing Bolts	1.5 hrs	Fri 21/04/23 08:00	Fri 21/04/23 09:30	455	G Kapenda,O Keamogetswe
457		Lift out valve to be inspected	0.5 hrs	Fri 21/04/23 09:30	Fri 21/04/23 10:00	456	G Kapenda,O Keamogetswe
458		Inspect valve and replace if necessary	2 hrs	Fri 21/04/23 10:00	Fri 21/04/23 12:00	457	G Kapenda,O Keamogetswe
459		Rig in Valve In Position And Align Holes	0.5 hrs	Fri 21/04/23 12:30	Fri 21/04/23 13:00	458	Carbo-FT2,Ash-SSRig1,Carbo-SSFT2,G Moeseraela,T M
460		Replace Bolts/Studs And Tighten	1.5 hrs	Fri 21/04/23 13:00	Fri 21/04/23 14:30	459	G Kapenda,O Keamogetswe
461		Remove The Crane	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45	460	Carbo-FT2,Ash-SSRig1,Carbo-SSFT2,G Moeseraela,T M
462		Carry Out Housekeeping	0.25 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:00	461	G Kapenda,O Keamogetswe
463		Sign Off Permit	0.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:15	462	G Kapenda,O Keamogetswe
464		Clear Permit	0.25 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:30	463	G Kapenda,O Keamogetswe
465	**21A2GA01**	**HOT WASH PUMP B - Carry Out Inspection**	**11.25 hrs**	**Fri 21/04/23 15:30**	**Sat 22/04/23 16:15**	**449**	
466		Make Out Permit	0.25 hrs	Fri 21/04/23 15:30	Fri 21/04/23 15:45		Operations
467		Accept Permit	0.25 hrs	Fri 21/04/23 15:45	Fri 21/04/23 16:00	466	G Kapenda,O Keamogetswe
468		Remove Guard	0.5 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:30	467	G Kapenda,O Keamogetswe
469		Inspect Coupling	1 hr	Fri 21/04/23 16:30	Fri 21/04/23 17:30	468	G Kapenda,O Keamogetswe
470		Check all mounting bolts	0.5 hrs	Fri 21/04/23 17:30	Fri 21/04/23 18:00	469	G Kapenda,O Keamogetswe
471		Check condition of the base	1 hr	Sat 22/04/23 07:00	Sat 22/04/23 08:00	470	G Kapenda,O Keamogetswe
472		Check all flanges both discharge & suction	0.5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:30	471	G Kapenda,O Keamogetswe
473		Inspect all belows	1 hr	Sat 22/04/23 08:30	Sat 22/04/23 09:30	472	G Kapenda,O Keamogetswe
474		Drain & Refill Oil	1.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 11:00	473	G Kapenda,O Keamogetswe
475		Repack glands	1 hr	Sat 22/04/23 11:00	Sat 22/04/23 12:00	474	G Kapenda,O Keamogetswe
476		Carry Out or cross check Laser Alignment	3 hrs	Sat 22/04/23 12:30	Sat 22/04/23 15:30	475	Reliability
477		Replace Guard	0.5 hrs	Sat 22/04/23 15:30	Sat 22/04/23 16:00	476	G Kapenda,O Keamogetswe
478		Clear Permit	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15	477	G Kapenda,O Keamogetswe
479	**21A2GA01**	**HOT WASH PUMP B - Inspect Non Return Valve**	**8 hrs**	**Sat 22/04/23 16:15**	**Sun 23/04/23 13:45**	**465**	
480		Clean The Area (Prior)	0 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:15		Operations
481		Make Out Permits	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30	480	Operations
482		Accept Permit To Work	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	481	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
483		Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00	482	G Kapenda,O Keamogetswe
484		Support The Valve To Be inspected With A Crane	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	483	Carbo-FT3,Ash-SSRig1,M-Crane 7Ton,Carbo-SSFT3,G M
485		Loosen And Remove The Securing Bolts	1.5 hrs	Sat 22/04/23 17:15	Sun 23/04/23 07:45	484	G Kapenda,O Keamogetswe
486		Lift out valve to be inspected	0.5 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:15	485	G Kapenda,O Keamogetswe
487		Inspect valve and replace if necessary	2 hrs	Sun 23/04/23 08:15	Sun 23/04/23 10:15	486	G Kapenda,O Keamogetswe
488		Rig in Valve In Position And Align Holes	0.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:45	487	Carbo-FT3,Ash-SSRig1,Carbo-SSFT3,G Moeseraela,T M
489		Replace Bolts/Studs And Tighten	1.5 hrs	Sun 23/04/23 10:45	Sun 23/04/23 12:45	488	G Kapenda,O Keamogetswe
490		Remove The Crane	0.25 hrs	Sun 23/04/23 12:45	Sun 23/04/23 13:00	489	Carbo-FT3,Ash-SSRig1,Carbo-SSFT3,G Moeseraela,T M
491		Carry Out Housekeeping	0.25 hrs	Sun 23/04/23 13:00	Sun 23/04/23 13:15	490	G Kapenda,O Keamogetswe
492		Sign Off Permit	0.25 hrs	Sun 23/04/23 13:15	Sun 23/04/23 13:30	491	G Kapenda,O Keamogetswe
493		Clear Permit	0.25 hrs	Sun 23/04/23 13:30	Sun 23/04/23 13:45	492	G Kapenda,O Keamogetswe
494	**21A2GA03**	**HOT WASH HP PUMP A - Carry Out Inspection**	**11.25 hrs**	**Sun 23/04/23 13:45**	**Mon 24/04/23 14:30**	**479**	
495		Make Out Permit	0.25 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:00		Operations
496		Accept Permit	0.25 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:15	495	G Kapenda,O Keamogetswe
497		Remove Guard	0.5 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:45	496	G Kapenda,O Keamogetswe
498		Inspect Coupling	1 hr	Sun 23/04/23 14:45	Sun 23/04/23 15:45	497	G Kapenda,O Keamogetswe
499		Check all mounting bolts	0.5 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:15	498	G Kapenda,O Keamogetswe
500		Check condition of the base	1 hr	Sun 23/04/23 16:15	Sun 23/04/23 17:15	499	G Kapenda,O Keamogetswe
501		Check all flanges both discharge& suction	0.5 hrs	Sun 23/04/23 17:15	Sun 23/04/23 17:45	500	G Kapenda,O Keamogetswe
502		Inspect all belows	1 hr	Sun 23/04/23 17:45	Mon 24/04/23 07:45	501	G Kapenda,O Keamogetswe
503		Drain& Refill Oil	1.5 hrs	Mon 24/04/23 07:45	Mon 24/04/23 09:15	502	G Kapenda,O Keamogetswe
504		Repack glands	1 hr	Mon 24/04/23 09:15	Mon 24/04/23 10:15	503	G Kapenda,O Keamogetswe
505		Carry Out or cross check Laser Alignment	3 hrs	Mon 24/04/23 10:15	Mon 24/04/23 13:45	504	Reliability
506		Replace Guard	0.5 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:15	505	G Kapenda,O Keamogetswe
507		Clear Permit	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30	506	G Kapenda,O Keamogetswe
508	**21A2GA04**	**HOT WASH HP PUMP B - Carry Out Inspection**	**11.25 hrs**	**Mon 24/04/23 14:30**	**Tue 25/04/23 15:15**	**494**	
509		Make Out Permit	0.25 hrs	Mon 24/04/23 14:30	Mon 24/04/23 14:45		Operations
510		Accept Permit	0.25 hrs	Mon 24/04/23 14:45	Mon 24/04/23 15:00	509	G Kapenda,O Keamogetswe
511		Remove Guard	0.5 hrs	Mon 24/04/23 15:00	Mon 24/04/23 15:30	510	G Kapenda,O Keamogetswe
512		Inspect Coupling	1 hr	Mon 24/04/23 15:30	Mon 24/04/23 16:30	511	G Kapenda,O Keamogetswe
513		Check all mounting bolts	0.5 hrs	Mon 24/04/23 16:30	Mon 24/04/23 17:00	512	G Kapenda,O Keamogetswe
514		Check condition of the base	1 hr	Mon 24/04/23 17:00	Mon 24/04/23 18:00	513	G Kapenda,O Keamogetswe
515		Check all flanges both discharge& suction	0.5 hrs	Tue 25/04/23 07:00	Tue 25/04/23 07:30	514	G Kapenda,O Keamogetswe
516		Inspect all belows	1 hr	Tue 25/04/23 07:30	Tue 25/04/23 08:30	515	G Kapenda,O Keamogetswe
517		Drain& Refill Oil	1.5 hrs	Tue 25/04/23 08:30	Tue 25/04/23 10:00	516	G Kapenda,O Keamogetswe
518		Repack glands	1 hr	Tue 25/04/23 10:00	Tue 25/04/23 11:00	517	G Kapenda,O Keamogetswe
519		Carry Out or cross check Laser Alignment	3 hrs	Tue 25/04/23 11:00	Tue 25/04/23 14:30	518	Reliability
520		Replace Guard	0.5 hrs	Tue 25/04/23 14:30	Tue 25/04/23 15:00	519	G Kapenda,O Keamogetswe
521		Clear Permit	0.25 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:15	520	G Kapenda,O Keamogetswe
522	**21A2FB01**	**HWWT MINIMUM FLOW LINE - Replace carbon steel with stainless steel**	**8 hrs**	**Thu 27/04/23 17:00**	**Fri 28/04/23 14:30**	**420**	
523		Erect scaffolding prior	0 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:00		G Moeseraela,T Moloi
524		Fabricate replacement pipe prior	0 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:00	523	M Ramatlhakeng,S Monna
525		Make out permit	0.25 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:15	524	Operations
526		Accept permit	0.25 hrs	Thu 27/04/23 17:15	Thu 27/04/23 17:30	525	G Kapenda,O Keamogetswe
527		Undo and remove flange bolts	2 hrs	Thu 27/04/23 17:30	Fri 28/04/23 08:30	526	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
528			Rig out old pipe	1 hr	Fri 28/04/23 08:30	Fri 28/04/23 09:30	527	Crane,G Moeseraela,T Moloi
529			Rig in new pipe	1 hr	Fri 28/04/23 09:30	Fri 28/04/23 10:30	528	Crane,G Moeseraela,T Moloi
530			Align and install nuts	2 hrs	Fri 28/04/23 10:30	Fri 28/04/23 13:00	529	Carbo-FT2,Crane,Carbo-SSFT2,G Moeseraela,T Moloi
531			Tighten bolts	1 hr	Fri 28/04/23 13:00	Fri 28/04/23 14:00	530	G Kapenda,O Keamogetswe
532			Carry out housekeeping	0.25 hrs	Fri 28/04/23 14:00	Fri 28/04/23 14:15	531	G Kapenda,O Keamogetswe
533			Clear permit	0.25 hrs	Fri 28/04/23 14:15	Fri 28/04/23 14:30	532	G Kapenda,O Keamogetswe
534		**21A2FB01**	**HOT WASH WATER STEAM TRAPS - Replace Steam Traps**	**10 hrs**	**Tue 25/04/23 15:15**	**Wed 26/04/23 14:45**	**508**	
535			Make out permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30		Operations
536			Accept permit	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	535	G Kapenda,O Keamogetswe
537			Ensure all steam has been isolated and discharge from system	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	536	G Kapenda,O Keamogetswe
538			Cut off deffective steam strap	3 hrs	Tue 25/04/23 16:00	Wed 26/04/23 08:00	537	M Ramatlhakeng,S Monna
539			Clean pipes	2.5 hrs	Wed 26/04/23 08:00	Wed 26/04/23 10:30	538	M Ramatlhakeng,S Monna
540			Weld in new steam trap	3 hrs	Wed 26/04/23 10:30	Wed 26/04/23 14:00	539	Ash-Weld1
541			House keeping	0.5 hrs	Wed 26/04/23 14:00	Wed 26/04/23 14:30	540	Welder,G Kapenda,O Keamogetswe,M Ramatlhakeng,
542			Clear permit	0.25 hrs	Wed 26/04/23 14:30	Wed 26/04/23 14:45	541	G Kapenda,O Keamogetswe
543		**21A2FB01**	**HOT WASH WATER TANK - Carry Out Spark Test And Repair**	**102 hrs**	**Fri 21/04/23 03:00**	**Sun 30/04/23 15:00**		
544			Make Out Permit	0.25 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:15		Operations
545			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	544	G Kapenda,O Keamogetswe
546			Before Washing Swing All Blinds	3 hrs	Fri 21/04/23 07:15	Fri 21/04/23 10:15	545	G Kapenda,O Keamogetswe
547			Open Manholes	2 hrs	Fri 21/04/23 10:15	Fri 21/04/23 12:45	546	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
548			Carry out decontamination protocol	6 hrs	Fri 21/04/23 12:45	Sat 22/04/23 07:45	547	Nicholas
549			Complete Gas Test Procedure	1 hr	Sat 22/04/23 07:45	Sat 22/04/23 08:45	548	Lab
550			Disconnect Seal Leg And Check For Blockage	1 hr	Sat 22/04/23 08:45	Sat 22/04/23 09:45	549	G Kapenda,O Keamogetswe
551			Clean & Dry Floor	0 hrs	Sat 22/04/23 09:45	Sat 22/04/23 09:45	550	Operations
552			Erect 10 Meters High Scaffold	8 hrs	Sat 22/04/23 09:45	Sun 23/04/23 07:15	551	G Moeseraela,T Moloi,K Gabantogele
553			Inspect & Spark Test	5 hrs	Sun 23/04/23 07:15	Sun 23/04/23 12:15	552	Corrocoat
554			Sandblasting	8 hrs	Sun 23/04/23 12:15	Sun 23/04/23 20:15	553	Corrocoat
555			Replace Gland Seals	4 hrs	Mon 24/04/23 07:00	Mon 24/04/23 11:00	554	G Kapenda,O Keamogetswe
556			Apply glasscoating on damaged areas	20 hrs	Mon 24/04/23 11:00	Tue 25/04/23 07:00	555	Corrocoat
557			Curing time	48 hrs	Tue 25/04/23 07:00	Sat 29/04/23 13:30	556	
558			Remove Scaffold	4 hrs	Sat 29/04/23 13:30	Sat 29/04/23 17:30	557	G Moeseraela,T Moloi,K Gabantogele
559			Remove decontamination controls	6 hrs	Sat 29/04/23 17:30	Sun 30/04/23 13:00	558	Nicholas
560			Box Up Manholes	2 hrs	Sun 30/04/23 13:00	Sun 30/04/23 15:00	559	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
561			Swing Blinds	0 hrs	Sun 30/04/23 15:00	Sun 30/04/23 15:00	560	G Kapenda,O Keamogetswe
562			Sign Off Work And Vessel Entry Permits	0 hrs	Sun 30/04/23 15:00	Sun 30/04/23 15:00	561	G Kapenda,O Keamogetswe
563			**INSTRUMENTATION**	**49 hrs**	**Fri 21/04/23 03:00**	**Tue 25/04/23 14:30**	**373**	
564		**21LC001**	**HOT WASH WASH WATER TANK LEVEL - Remove & overhaul**	**10.5 hrs**	**Fri 21/04/23 03:00**	**Fri 21/04/23 18:15**		
565			Erect scaffold (prior)	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00		RSC Scaffolding
566			Make out permit	0.25 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:15	565	Operations
567			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	566	Ash-Inst1,SS-Ash-Ins1
568			Disconnect instruments	1 hr	Fri 21/04/23 07:15	Fri 21/04/23 08:15	567	Ash-Inst1,SS-Ash-Ins1
569			Remove valve	2 hrs	Fri 21/04/23 08:15	Fri 21/04/23 10:15	568	Carbo-SSFT1,Carbo-FT1,Ash-Inst1,SS-Ash-Ins1
570			Overhaul valve	4 hrs	Fri 21/04/23 10:15	Fri 21/04/23 14:45	569	Ash-Inst1,SS-Ash-Ins1
571			Install valve	3 hrs	Fri 21/04/23 14:45	Fri 21/04/23 17:45	570	Carbo-SSFT1,Carbo-FT1,Ash-Inst1,SS-Ash-Ins1
572			Stroke check valve	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	571	Ash-Inst1,SS-Ash-Ins1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
573			Clear permit	0.25 hrs	Fri 21/04/23 18:00	Fri 21/04/23 18:15	572	Operations
574		**21LC003**	**HOT WASH WATER HEATER VALVE - Overhaul valve**	**11.75 hrs**	**Fri 21/04/23 18:15**	**Sun 23/04/23 08:15**	**564**	
575			Make out permit	0.25 hrs	Fri 21/04/23 18:15	Fri 21/04/23 18:30		Operations
576			Accept permit	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	575	Ash-Inst1,SS-Ash-Ins1
577			Disconnect instruments	1 hr	Sat 22/04/23 07:15	Sat 22/04/23 08:15	576	Ash-Inst1,SS-Ash-Ins1
578			Remove valve	5 hrs	Sat 22/04/23 08:15	Sat 22/04/23 13:45	577	Aveng,RSC Scaffolding,Carbo-SSFT1,Carbo-FT1,Ash-Ins
579			Overhaul valve	3 hrs	Sat 22/04/23 13:45	Sat 22/04/23 16:45	578	Aveng,Ash-Inst1,SS-Ash-Ins1
580			Install valve	2 hrs	Sat 22/04/23 16:45	Sun 23/04/23 07:45	579	Aveng,RSC Scaffolding,Carbo-SSFT1,Carbo-FT1,Ash-Ins
581			Stroke check valve	0.25 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:00	580	Ash-Inst1,SS-Ash-Ins1
582			Clear permit	0.25 hrs	Sun 23/04/23 08:00	Sun 23/04/23 08:15	581	Ash-Inst1,SS-Ash-Ins1
583		**21TC006**	**HIGH PRESSURE WASH WATER TEMPERATURE CONTROL - Overhaul valve**	**9.75 hrs**	**Sun 23/04/23 08:15**	**Mon 24/04/23 07:30**	**574**	
584			Make out permit	0.25 hrs	Sun 23/04/23 08:15	Sun 23/04/23 08:30		Operations
585			Accept permit	0.25 hrs	Sun 23/04/23 08:30	Sun 23/04/23 08:45	584	Ash-Inst1,SS-Ash-Ins1
586			Disconnect instruments	1 hr	Sun 23/04/23 08:45	Sun 23/04/23 09:45	585	Ash-Inst1,SS-Ash-Ins1
587			Remove valve	2.75 hrs	Sun 23/04/23 09:45	Sun 23/04/23 13:00	586	RSC Scaffolding,Carbo-SSFT1,Aveng,Carbo-FT1,Ash-Ins
588			Overhaul valve	3 hrs	Sun 23/04/23 13:00	Sun 23/04/23 16:00	587	Ash-Inst1,SS-Ash-Ins1
589			Install valve	2 hrs	Sun 23/04/23 16:00	Sun 23/04/23 18:00	588	RSC Scaffolding,Carbo-SSFT1,Aveng,Carbo-FT1,Ash-Ins
590			Stroke check valve	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	589	Ash-Inst1,SS-Ash-Ins1
591			Clear permit	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	590	Ash-Inst1,SS-Ash-Ins1
592		**21A6TI007**	**HOT WASH WATER TEMPERATURE - Calibrate switch**	**5.75 hrs**	**Mon 24/04/23 07:30**	**Mon 24/04/23 13:45**	**583**	
593			Make out permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45		Operations
594			Accept permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	593	Ash-Inst1,SS-Ash-Ins1
595			Remove switch	1 hr	Mon 24/04/23 08:00	Mon 24/04/23 09:00	594	Ash-Inst1,SS-Ash-Ins1
596			Calibrate switch	2 hrs	Mon 24/04/23 09:00	Mon 24/04/23 11:00	595	Ash-Inst1,SS-Ash-Ins1
597			Install	1 hr	Mon 24/04/23 11:00	Mon 24/04/23 12:00	596	Ash-Inst1,SS-Ash-Ins1
598			Carry out trip check	1 hr	Mon 24/04/23 12:30	Mon 24/04/23 13:30	597	Ash-Inst1,SS-Ash-Ins1
599			Clear permit	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	598	Ash-Inst1,SS-Ash-Ins1
600		**21LC002**	**HOT WASH WATER TANK LEVEL - Overhaul valve**	**11 hrs**	**Mon 24/04/23 13:45**	**Tue 25/04/23 14:15**	**592**	
601			Make out permit	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00		Operations
602			Accept permit	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	601	Ash-Inst1,SS-Ash-Ins1
603			Disconnect instruments	1 hr	Mon 24/04/23 14:15	Mon 24/04/23 15:15	602	Ash-Inst1,SS-Ash-Ins1
604			Remove valve	2 hrs	Mon 24/04/23 15:15	Mon 24/04/23 17:15	603	Carbo-SSFT1,Aveng,RSC Scaffolding,Carbo-FT1,Ash-Ins
605			Overhaul valve	4 hrs	Mon 24/04/23 17:15	Tue 25/04/23 10:15	604	Ash-Inst1,SS-Ash-Ins1
606			Install valve	3 hrs	Tue 25/04/23 10:15	Tue 25/04/23 13:45	605	Carbo-SSFT1,Aveng,RSC Scaffolding,Carbo-FT1,Ash-Ins
607			Stroke check valve	0.25 hrs	Tue 25/04/23 13:45	Tue 25/04/23 14:00	606	Ash-Inst1,SS-Ash-Ins1
608			Clear permit	0.25 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:15	607	Ash-Inst1,SS-Ash-Ins1
609			**HOT WASH WATER TEMPERATURE – Check probe,temperature transmitter & loop**	**0.25 hrs**	**Tue 25/04/23 14:15**	**Tue 25/04/23 14:30**	**600**	
610			Check all connections	0.25 hrs	Tue 25/04/23 14:15	Tue 25/04/23 14:30		Ash-Inst1,SS-Ash-Ins1
611		**Area 27A**	**CARBONATION**	**255.75 hrs?**	**Mon 17/04/23 06:30**	**Thu 11/05/23 10:45**		
612			**OPERATIONS**	**190.25 hrs**	**Mon 17/04/23 06:30**	**Fri 05/05/23 08:15**		
613			**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**		
614			Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
615		**27A2DF02**	**PRIMARY CARBONATOR A - Washing**	**24 hrs**	**Mon 17/04/23 08:30**	**Wed 19/04/23 11:30**	**614**	
616			Isolate Co2 & Pump Contents Forward	3 hrs	Mon 17/04/23 08:30	Mon 17/04/23 11:30		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
617		Swing Co2, T-Brine & Offgas Blinds On All Carbonators	2 hrs	Mon 17/04/23 11:30	Mon 17/04/23 14:00	616	G Kapenda,O Keamogetswe
618		Remove Three Bursting Discs	1.5 hrs	Mon 17/04/23 14:00	Mon 17/04/23 15:30	617	G Kapenda,O Keamogetswe
619		Fill Carbonators With Hww & agitate	4 hrs	Mon 17/04/23 15:30	Mon 17/04/23 19:30	618	Operations
620		Refill Hot Wash Water Tank & Reheat	4 hrs	Mon 17/04/23 19:30	Mon 17/04/23 23:30	619	Operations
621		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Mon 17/04/23 23:30	Tue 18/04/23 01:30	620	Operations
622		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 01:30	Tue 18/04/23 05:30	621	Operations
623		Refill Hot Wash Water Tank & Reheat	4 hrs	Tue 18/04/23 05:30	Tue 18/04/23 09:30	622	Operations
624		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 09:30	Tue 18/04/23 11:30	623	Operations
625		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 11:30	Tue 18/04/23 15:30	624	Operations
626		Refill Hot Wash Water Tank & Reheat	4 hrs	Tue 18/04/23 15:30	Tue 18/04/23 19:30	625	Operations
627		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 19:30	Tue 18/04/23 21:30	626	Operations
628		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 21:30	Wed 19/04/23 01:30	627	Operations
629		Refill Hot Wash Water Tank & Reheat	4 hrs	Wed 19/04/23 01:30	Wed 19/04/23 05:30	628	Operations
630		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Wed 19/04/23 05:30	Wed 19/04/23 07:30	629	Operations
631		Flushing The T Brine Line	4 hrs	Wed 19/04/23 07:30	Wed 19/04/23 11:30	630	Operations
632	**27A2DF03**	**PRIMARY CARBONATOR B - Washing**	**23 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 13:30**	**614SS+4 hr**	
633		Isolate Co2 & Pump Contents Forward	3 hrs	Mon 17/04/23 11:00	Mon 17/04/23 14:00		Operations
634		Swing Co2, T-Brine & Offgas Blinds On All Carbonators	2 hrs	Mon 17/04/23 14:00	Mon 17/04/23 16:00	633	G Kapenda,O Keamogetswe
635		Remove Three Bursting Discs	1.5 hrs	Mon 17/04/23 16:00	Mon 17/04/23 17:30	634	G Kapenda,O Keamogetswe
636		Fill Carbonators With Hww & agitate	4 hrs	Mon 17/04/23 17:30	Mon 17/04/23 21:30	635	Operations
637		Refill Hot Wash Water Tank & Reheat	4 hrs	Mon 17/04/23 21:30	Tue 18/04/23 01:30	636	Operations
638		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 01:30	Tue 18/04/23 03:30	637	Operations
639		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 03:30	Tue 18/04/23 07:30	638	Operations
640		Refill Hot Wash Water Tank & Reheat	4 hrs	Tue 18/04/23 07:30	Tue 18/04/23 11:30	639	Operations
641		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 11:30	Tue 18/04/23 13:30	640	Operations
642		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 13:30	Tue 18/04/23 17:30	641	Operations
643		Refill Hot Wash Water Tank & Reheat	4 hrs	Tue 18/04/23 17:30	Tue 18/04/23 21:30	642	Operations
644		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 21:30	Tue 18/04/23 23:30	643	Operations
645		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 23:30	Wed 19/04/23 03:30	644	Operations
646		Refill Hot Wash Water Tank & Reheat	4 hrs	Wed 19/04/23 03:30	Wed 19/04/23 07:30	645	Operations
647		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Wed 19/04/23 07:30	Wed 19/04/23 09:30	646	Operations
648		Flushing The T Brine Line	4 hrs	Wed 19/04/23 09:30	Wed 19/04/23 13:30	647	Operations
649	**27A2DF04**	**SECONDARY CARBONATOR - Washing**	**24 hrs**	**Mon 17/04/23 08:30**	**Wed 19/04/23 11:30**	**615SS**	
650		Isolate Co2 & Pump Contents Forward	3 hrs	Mon 17/04/23 08:30	Mon 17/04/23 11:30		Operations
651		Swing Co2, T-Brine & Offgas Blinds On All Carbonators	2 hrs	Mon 17/04/23 11:30	Mon 17/04/23 14:00	650	G Kapenda,O Keamogetswe
652		Remove Three Bursting Discs	1.5 hrs	Mon 17/04/23 14:00	Mon 17/04/23 15:30	651	G Kapenda,O Keamogetswe
653		Fill Carbonators With Hww & agitate	4 hrs	Mon 17/04/23 15:30	Mon 17/04/23 19:30	652	Operations
654		Refill Hot Wash Water Tank & Reheat	4 hrs	Mon 17/04/23 19:30	Mon 17/04/23 23:30	653	Operations
655		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Mon 17/04/23 23:30	Tue 18/04/23 01:30	654	Operations
656		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 01:30	Tue 18/04/23 05:30	655	Operations
657		Refill Hot Wash Water Tank & Reheat	4 hrs	Tue 18/04/23 05:30	Tue 18/04/23 09:30	656	Operations
658		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 09:30	Tue 18/04/23 11:30	657	Operations
659		Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 11:30	Tue 18/04/23 15:30	658	Operations
660		Refill Hot Wash Water Tank & Reheat	4 hrs	Tue 18/04/23 15:30	Tue 18/04/23 19:30	659	Operations
661		Drain Carbonators by pumping forward to Crystalisers	2 hrs	Tue 18/04/23 19:30	Tue 18/04/23 21:30	660	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
662			Fill Carbonators With Hww & agitate	4 hrs	Tue 18/04/23 21:30	Wed 19/04/23 01:30	661	Operations
663			Refill Hot Wash Water Tank & Reheat	4 hrs	Wed 19/04/23 01:30	Wed 19/04/23 05:30	662	Operations
664			Drain Carbonators by pumping forward to Crystalisers	2 hrs	Wed 19/04/23 05:30	Wed 19/04/23 07:30	663	Operations
665			Flushing The T Brine Line	4 hrs	Wed 19/04/23 07:30	Wed 19/04/23 11:30	664	Operations
666		**27A2DF01**	**PRE-CARBONATOR -Cleaning**	**6.5 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 06:45**	**632SS**	
667			Organize Hoses, Mops, Buckets And Brooms	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00		Operations
668			Drain Tank	2.5 hrs	Mon 17/04/23 11:00	Mon 17/04/23 13:30	667	Operations
669			Issue Permit	0.25 hrs	Mon 17/04/23 13:30	Mon 17/04/23 13:45	668	Operations
670			Obtain Vessel Entry Permit	0.75 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:30	669	Operations
671			Clean Tank Internally	16 hrs	Mon 17/04/23 14:30	Tue 18/04/23 06:30	670	Operations
672			Clear Permit	0.25 hrs	Tue 18/04/23 06:30	Tue 18/04/23 06:45	671	Operations
673		**27A2ST01**	**T-BRINE LINE - Flushing**	**6 hrs**	**Wed 19/04/23 11:30**	**Wed 19/04/23 19:30**		
674			First flush - Lake cooling water	4 hrs	Wed 19/04/23 11:30	Wed 19/04/23 15:30	665	Operations
675			Second flush - Brackish water	4 hrs	Wed 19/04/23 15:30	Wed 19/04/23 19:30	674	Operations
676		**27B2FB04**	**CARBONATION FEED TANK - Cleaning**	**9 hrs**	**Mon 17/04/23 08:30**	**Mon 17/04/23 23:45**	**613**	
677			Organize Hoses, Mops, Buckets And Brooms	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		Operations
678			Drain Tank	2.5 hrs	Mon 17/04/23 08:30	Mon 17/04/23 11:00	677	Operations
679			Issue Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	678	Operations
680			Obtain Vessel Entry Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	679	Operations
681			Clean Tank Internally	12 hrs	Mon 17/04/23 11:30	Mon 17/04/23 23:30	680	Operations
682			Clear Permit	0.25 hrs	Mon 17/04/23 23:30	Mon 17/04/23 23:45	681	Operations
683			**CARBONATOR FEED HEATER (TRIM HEATER) - Cleaning**	**37.75 hrs**	**Mon 17/04/23 06:30**	**Thu 20/04/23 13:45**		
684			Organise high pressure washer prior	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
685			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45	684	Operations
686			Accept Permit	0.25 hrs	Mon 17/04/23 06:45	Mon 17/04/23 07:00	685	Operations
687			Undo top dome bolts	2 hrs	Mon 17/04/23 07:00	Mon 17/04/23 09:00	686	G Kapenda,O Keamogetswe
688			Remove top dome	1 hr	Mon 17/04/23 09:00	Mon 17/04/23 10:00	687	M-Crane 30Ton,G Moeseraela,T Moloi,G Kapenda,O K
689			Undo bottom dome bolts	2 hrs	Mon 17/04/23 10:00	Mon 17/04/23 12:00	688	G Kapenda,O Keamogetswe
690			Remove bottom dome	1 hr	Mon 17/04/23 12:30	Mon 17/04/23 13:30	689	G Moeseraela,T Moloi,G Kapenda,O Keamogetswe
691			Inspect Tube Bundle	0.5 hrs	Mon 17/04/23 13:30	Mon 17/04/23 14:00	690	Operations
692			Wash with water lance	60 hrs	Mon 17/04/23 14:00	Thu 20/04/23 02:00	691	Operations
693			Rig in bottom dome	1 hr	Thu 20/04/23 07:00	Thu 20/04/23 08:00	692	G Moeseraela,T Moloi,G Kapenda,O Keamogetswe
694			Tighten bolts	2 hrs	Thu 20/04/23 08:00	Thu 20/04/23 10:00	693	G Kapenda,O Keamogetswe
695			Rig in top dome	1 hr	Thu 20/04/23 10:00	Thu 20/04/23 11:00	694	M-Crane 30Ton,G Moeseraela,T Moloi,G Kapenda,O K
696			Tighten bolts	2 hrs	Thu 20/04/23 11:00	Thu 20/04/23 13:30	695	G Kapenda,O Keamogetswe
697			Clear Permit	0.25 hrs	Thu 20/04/23 13:30	Thu 20/04/23 13:45	696	Operations
698		**27A2FH01**	**SEAL POT - Cleaning**	**12.25 hrs**	**Mon 17/04/23 08:30**	**Tue 18/04/23 10:15**	**613**	
699			Organsie hoses prior	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		Operations
700			Drain tank	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	699	Operations
701			Make out permit	0.25 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:45	700	Operations
702			Accept permit	0.25 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:00	701	Operations
703			Open inspection covers	3 hrs	Mon 17/04/23 09:00	Mon 17/04/23 12:00	702	G Kapenda,O Keamogetswe
704			Complete vessel entry permit	0.25 hrs	Mon 17/04/23 12:00	Mon 17/04/23 12:15	703	Operations
705			Carry out gas test	0.25 hrs	Mon 17/04/23 12:15	Mon 17/04/23 12:30	704	Operations
706			Clean tank	12 hrs	Mon 17/04/23 12:30	Tue 18/04/23 00:30	705	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
707			Mop tank	1 hr	Tue 18/04/23 00:30	Tue 18/04/23 01:30	706	Operations
708			Close inspection covers	3 hrs	Tue 18/04/23 07:00	Tue 18/04/23 10:00	707	G Kapenda,O Keamogetswe
709			Clear permits	0.25 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:15	708	Operations
710		**27A2FF01**	**OFF GAS SEPARATOR - Cleaning Co2 Separator**	**17.75 hrs**	**Mon 17/04/23 08:30**	**Tue 18/04/23 16:15**	**613**	
711			Erect scaffolding prior	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		G Moeseraela,T Moloi,K Gabantogele
712			Organize Hoses (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	711	Operations
713			Make Out Permit	0.25 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:45	712	Operations
714			Accept Permit	0.25 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:00	713	Operations
715			Close Soft Water To Separator	0.5 hrs	Mon 17/04/23 09:00	Mon 17/04/23 09:30	714	Operations
716			Drain Separator Tank	2 hrs	Mon 17/04/23 09:30	Mon 17/04/23 11:30	715	Operations
717			Open Inspection Covers	3 hrs	Mon 17/04/23 11:30	Mon 17/04/23 15:00	716	G Kapenda,O Keamogetswe
718			Clean Tank Internally	4 hrs	Mon 17/04/23 15:00	Mon 17/04/23 19:00	717	Operations
719			Remove pads	1 hr	Tue 18/04/23 07:00	Tue 18/04/23 08:00	718	G Kapenda,O Keamogetswe
720			Clean pads	3 hrs	Tue 18/04/23 08:00	Tue 18/04/23 11:00	719	Operations
721			Inspect and replace if necessary	2 hrs	Tue 18/04/23 11:00	Tue 18/04/23 13:00	720	Operations
722			Box up separator	3 hrs	Tue 18/04/23 13:00	Tue 18/04/23 16:00	721	G Kapenda,O Keamogetswe
723			Clear Permit	0.25 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:15	722	Operations
724			Dismantle scaffolding	0 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:15	723	G Moeseraela,T Moloi
725		**27B2FK01**	**# A SAND FILTER - Inspect Sand Filters**	**94.25 hrs**	**Mon 17/04/23 08:30**	**Wed 26/04/23 08:15**	**613**	
726			Carry out thickness test prior	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		Reliability
727			Organize Sand, Shovels (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	726	Operations
728			Erect external caffolding (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	727	G Moeseraela,T Moloi,K Gabantogele
729			Soak Sand Filter with HWW	4 hrs	Mon 17/04/23 08:30	Mon 17/04/23 12:30	728	Operations
730			Make Out Permit	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	729	Operations
731			Accept Permit	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	730	Carbo-FT6,SCarbo-FT6
732			Open Manhole Covers	4 hrs	Mon 17/04/23 13:00	Mon 17/04/23 17:00	731	Carbo-FT6,SCarbo-FT6
733			Clean And Remove Sand	24 hrs	Mon 17/04/23 17:00	Tue 18/04/23 17:00	732	Operations
734			Inspect and repair Sand Beds And Internals	24 hrs	Tue 18/04/23 17:00	Wed 19/04/23 17:00	733	Operations
735			Inspect and repair/replace nozzels	5 hrs	Wed 19/04/23 17:00	Wed 19/04/23 22:00	734	Operations
736			Refill With New Sand	8 hrs	Tue 25/04/23 11:45	Tue 25/04/23 19:45	735,787	Operations
737			Box Up	1 hr	Wed 26/04/23 07:00	Wed 26/04/23 08:00	736	Carbo-FT6,SCarbo-FT6
738			Clear Permit	0.25 hrs	Wed 26/04/23 08:00	Wed 26/04/23 08:15	737	Carbo-FT6,SCarbo-FT6
739		**27B2FK02**	**# B SAND FILTER - Inspect Sand Filters**	**94.25 hrs**	**Mon 17/04/23 08:30**	**Wed 26/04/23 08:15**	**725SS**	
740			Fabricate Pipes (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		
741			Carry out thickness test prior	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	740	Reliability
742			Organize Sand, Shovels (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	741	Operations
743			Erect external caffolding (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30	742	G Moeseraela,T Moloi,K Gabantogele
744			Soak Sand Filter with HWW	4 hrs	Mon 17/04/23 08:30	Mon 17/04/23 12:30	743	Operations
745			Make Out Permit	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	744	Operations
746			Accept Permit	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	745	Carbo-FT6,SCarbo-FT6
747			Open Manhole Covers	2 hrs	Mon 17/04/23 13:00	Mon 17/04/23 15:00	746	Carbo-FT6,SCarbo-FT6
748			Clean And Remove Sand	24 hrs	Mon 17/04/23 15:00	Tue 18/04/23 15:00	747	Operations
749			Inspect Sand Beds And Internals	24 hrs	Tue 18/04/23 15:00	Wed 19/04/23 15:00	748	Operations
750			Inspect Nozzels	5 hrs	Wed 19/04/23 15:00	Wed 19/04/23 20:00	749	Operations
751			Refill With New Sand	8 hrs	Tue 25/04/23 13:00	Tue 25/04/23 21:00	750,808	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
752			Box Up	1 hr	Wed 26/04/23 07:00	Wed 26/04/23 08:00	751	Carbo-FT6,SCarbo-FT6
753			Clear Permit	0.25 hrs	Wed 26/04/23 08:00	Wed 26/04/23 08:15	752	Carbo-FT6,SCarbo-FT6
754		**27B2FK03**	**# C SAND FILTER - Inspect Sand Filters**	**31.5 hrs**	**Wed 26/04/23 08:15**	**Sat 29/04/23 08:15**	**725**	
755			Fabricate Pipes (Prior)	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15		Fab Wshop
756			Carry out thickness test prior	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15	755	Reliability
757			Organize Sand, Shovels (Prior)	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15	756	Operations
758			Erect external caffolding (Prior)	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15	757	
759			Soak Sand Filter with HWW	4 hrs	Wed 26/04/23 08:15	Wed 26/04/23 12:15	758	Operations
760			Make Out Permit	0.25 hrs	Wed 26/04/23 12:15	Wed 26/04/23 12:30	759	Operations
761			Accept Permit	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	760	Cryst-FT1,Cryst-SSFT1
762			Open Manhole Covers	2 hrs	Wed 26/04/23 12:45	Wed 26/04/23 14:45	761	Cryst-FT1,Cryst-SSFT1
763			Clean And Remove Sand	24 hrs	Wed 26/04/23 14:45	Thu 27/04/23 14:45	762	Operations
764			Inspect Sand Beds And Internals	24 hrs	Thu 27/04/23 14:45	Fri 28/04/23 14:45	763	Operations
765			Inspect Nozzels	5 hrs	Fri 28/04/23 14:45	Fri 28/04/23 19:45	764	Operations
766			Refill With New Sand	8 hrs	Fri 28/04/23 19:45	Sat 29/04/23 03:45	765,829	Operations
767			Box Up	1 hr	Sat 29/04/23 07:00	Sat 29/04/23 08:00	766	Cryst-FT1,Cryst-SSFT1
768			Clear Permit	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	767	Cryst-FT1,Cryst-SSFT1
769		**27B2FK04**	**# D SAND FILTER - Inspect Sand Filters**	**94.5 hrs**	**Wed 26/04/23 08:15**	**Fri 05/05/23 08:15**	**754SS**	
770			Fabricate Pipes (Prior)	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15		Fab Wshop
771			Carry out thickness test prior	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15	770	Reliability
772			Organize Sand, Shovels (Prior)	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15	771	Operations
773			Erect external caffolding (Prior)	0 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:15	772	G Moeseraela,T Moloi
774			Soak Sand Filter with HWW	4 hrs	Wed 26/04/23 08:15	Wed 26/04/23 12:15	773	Operations
775			Make Out Permit	0.25 hrs	Wed 26/04/23 12:15	Wed 26/04/23 12:30	774	Operations
776			Accept Permit	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	775	G Kapenda,O Keamogetswe
777			Open Manhole Covers	2 hrs	Wed 26/04/23 12:45	Wed 26/04/23 14:45	776	G Kapenda,O Keamogetswe
778			Clean And Remove Sand	24 hrs	Wed 26/04/23 14:45	Thu 27/04/23 14:45	777	Operations
779			Inspect Sand Beds And Internals	24 hrs	Thu 27/04/23 14:45	Fri 28/04/23 14:45	778	Operations
780			Inspect Nozzels	5 hrs	Fri 28/04/23 14:45	Fri 28/04/23 19:45	779	Operations
781			Refill With New Sand	8 hrs	Thu 04/05/23 13:00	Thu 04/05/23 21:00	780,850	Operations
782			Box Up	1 hr	Fri 05/05/23 07:00	Fri 05/05/23 08:00	781	G Kapenda,O Keamogetswe
783			Clear Permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	782	G Kapenda,O Keamogetswe
784			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 11:30**	**Wed 19/04/23 11:30**	**649**	
785			Maintenance jobs commence	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30	615FS-3 hr	
786			**MECHANICAL**	**230.25 hrs?**	**Wed 19/04/23 11:30**	**Thu 11/05/23 10:45**	**784**	
787		**27B2FK01**	**# A SAND FILTER - Remove rubberlining and glasscoat**	**58.25 hrs**	**Wed 19/04/23 17:00**	**Tue 25/04/23 11:45**	**734**	
788			Make out permit	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15		Operations
789			Accept permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	788	Carbo-SSFT1,Carbo-FT1
790			Carry out risk assement	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45	789	Corrocoat,G Kapenda
791			Install decontamination controls	6 hrs	Wed 19/04/23 17:45	Thu 20/04/23 13:15	790	Decon Team
792			Obtain vessel entry permit	0.25 hrs	Thu 20/04/23 13:15	Thu 20/04/23 13:30	791	Operations
793			Erect internal mobile scaffold	2 hrs	Thu 20/04/23 13:30	Thu 20/04/23 15:30	792	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
794			Peel off rubberlining	10 hrs	Thu 20/04/23 15:30	Fri 21/04/23 01:30	793	Corrocoat
795			Sandblast vessel	8 hrs	Fri 21/04/23 01:30	Fri 21/04/23 09:30	794	Corrocoat
796			Clean surfaces	4 hrs	Fri 21/04/23 09:30	Fri 21/04/23 13:30	795	Corrocoat

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
797			Carry out thickness test	4 hrs	Fri 21/04/23 13:30	Fri 21/04/23 17:30	796	Corrocoat
798			Carry out repairs to worn out, holed or damaged areas	20 hrs	Fri 21/04/23 17:30	Sat 22/04/23 13:30	797	Corrocoat
799			Decontaminate vessel	6 hrs	Sat 22/04/23 13:30	Sat 22/04/23 19:30	798	Corrocoat
800			Carry out glasscoating priming	12 hrs	Sat 22/04/23 19:30	Sun 23/04/23 07:30	799	Corrocoat
801			Curing time	8 hrs	Sun 23/04/23 07:30	Sun 23/04/23 15:30	800	Corrocoat
802			Carry out glasscoating final coat	12 hrs	Sun 23/04/23 15:30	Mon 24/04/23 03:30	801	Corrocoat
803			Curing time	8 hrs	Mon 24/04/23 03:30	Mon 24/04/23 11:30	802	Corrocoat
804			Perform spark testing	4 hrs	Mon 24/04/23 11:30	Mon 24/04/23 15:30	803	Corrocoat
805			Remove scaffold	1 hr	Mon 24/04/23 15:30	Mon 24/04/23 16:30	804	Carbo-SSFT1,Carbo-FT1
806			Remove decontamination controls	6 hrs	Mon 24/04/23 16:30	Tue 25/04/23 11:30	805	Decon Team
807			Clear permit	0.25 hrs	Tue 25/04/23 11:30	Tue 25/04/23 11:45	806	Carbo-SSFT1,Carbo-FT1
808		**27B2FK02**	**# B SAND FILTER - Remove rubberlining and glasscoat**	**58 hrs**	**Wed 19/04/23 20:00**	**Tue 25/04/23 13:00**	**750**	
809			Make out permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
810			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	809	Carbo-SSFT1,Carbo-FT1
811			Carry out risk assement	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	810	Corrocoat,G Kapenda
812			Install decontamination controls	6 hrs	Thu 20/04/23 07:30	Thu 20/04/23 14:00	811	Decon Team
813			Obtain vessel entry permit	0.25 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:15	812	Operations
814			Erect internal mobile scaffold	2 hrs	Thu 20/04/23 14:15	Thu 20/04/23 16:15	813	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
815			Peel off rubberlining	10 hrs	Thu 20/04/23 16:15	Fri 21/04/23 02:15	814	Corrocoat
816			Sandblast vessel	8 hrs	Fri 21/04/23 02:15	Fri 21/04/23 10:15	815	Corrocoat
817			Clean surfaces	4 hrs	Fri 21/04/23 10:15	Fri 21/04/23 14:15	816	Corrocoat
818			Carry out thickness test	4 hrs	Fri 21/04/23 14:15	Fri 21/04/23 18:15	817	Corrocoat
819			Carry out repairs to worn out, holed or damaged areas	20 hrs	Fri 21/04/23 18:15	Sat 22/04/23 14:15	818	Corrocoat
820			Decontaminate vessel	6 hrs	Sat 22/04/23 14:15	Sat 22/04/23 20:15	819	Corrocoat
821			Carry out glasscoating priming	12 hrs	Sat 22/04/23 20:15	Sun 23/04/23 08:15	820	Corrocoat
822			Curing time	8 hrs	Sun 23/04/23 08:15	Sun 23/04/23 16:15	821	Corrocoat
823			Carry out glasscoating final coat	12 hrs	Sun 23/04/23 16:15	Mon 24/04/23 04:15	822	Corrocoat
824			Curing time	8 hrs	Mon 24/04/23 04:15	Mon 24/04/23 12:15	823	Corrocoat
825			Perform spark testing	4 hrs	Mon 24/04/23 12:15	Mon 24/04/23 16:15	824	Corrocoat
826			Remove scaffold	1 hr	Mon 24/04/23 16:15	Mon 24/04/23 17:15	825	Carbo-SSFT1,Carbo-FT1
827			Remove decontamination controls	6 hrs	Mon 24/04/23 17:15	Tue 25/04/23 12:45	826	Decon Team
828			Clear permit	0.25 hrs	Tue 25/04/23 12:45	Tue 25/04/23 13:00	827	Carbo-SSFT1,Carbo-FT1
829		**27B2FK03**	**# C SAND FILTER - Remove rubberlining and glasscoat**	**58.25 hrs**	**Wed 19/04/23 11:30**	**Mon 24/04/23 17:45**		
830			Make out permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
831			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	830	Carbo-SSFT1,Carbo-FT1
832			Carry out risk assement	0.5 hrs	Wed 19/04/23 12:00	Wed 19/04/23 12:45	831	Corrocoat,G Kapenda
833			Install decontamination controls	6 hrs	Wed 19/04/23 12:45	Thu 20/04/23 07:45	832	Decon Team
834			Obtain vessel entry permit	0.25 hrs	Thu 20/04/23 07:45	Thu 20/04/23 08:00	833	Operations
835			Erect internal mobile scaffold	2 hrs	Thu 20/04/23 08:00	Thu 20/04/23 10:00	834	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
836			Peel off rubberlining	10 hrs	Thu 20/04/23 10:00	Thu 20/04/23 20:00	835	Corrocoat
837			Sandblast vessel	8 hrs	Thu 20/04/23 20:00	Fri 21/04/23 04:00	836	Corrocoat
838			Clean surfaces	4 hrs	Fri 21/04/23 04:00	Fri 21/04/23 08:00	837	Corrocoat
839			Carry out thickness test	4 hrs	Fri 21/04/23 08:00	Fri 21/04/23 12:00	838	Corrocoat
840			Carry out repairs to worn out, holed or damaged areas	20 hrs	Fri 21/04/23 12:00	Sat 22/04/23 08:00	839	Corrocoat
841			Decontaminate vessel	6 hrs	Sat 22/04/23 08:00	Sat 22/04/23 14:00	840	Corrocoat

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
842			Carry out glasscoating priming	12 hrs	Sat 22/04/23 14:00	Sun 23/04/23 02:00	841	Corrocoat
843			Curing time	8 hrs	Sun 23/04/23 02:00	Sun 23/04/23 10:00	842	Corrocoat
844			Carry out glasscoating final coat	12 hrs	Sun 23/04/23 10:00	Sun 23/04/23 22:00	843	Corrocoat
845			Curing time	8 hrs	Sun 23/04/23 22:00	Mon 24/04/23 06:00	844	Corrocoat
846			Perform spark testing	4 hrs	Mon 24/04/23 06:00	Mon 24/04/23 10:00	845	Corrocoat
847			Remove scaffold	1 hr	Mon 24/04/23 10:00	Mon 24/04/23 11:00	846	Carbo-SSFT1,Carbo-FT1
848			Remove decontamination controls	6 hrs	Mon 24/04/23 11:00	Mon 24/04/23 17:30	847	Decon Team
849			Clear permit	0.25 hrs	Mon 24/04/23 17:30	Mon 24/04/23 17:45	848	Carbo-SSFT1,Carbo-FT1
850		**27B2FK04**	**# D SAND FILTER - Remove rubberlining and glasscoat**	**58 hrs**	**Fri 28/04/23 19:45**	**Thu 04/05/23 13:00**	**780**	
851			Make out permit	0.25 hrs	Fri 28/04/23 19:45	Fri 28/04/23 20:00		Operations
852			Accept permit	0.25 hrs	Sat 29/04/23 07:00	Sat 29/04/23 07:15	851	Carbo-SSFT1,Carbo-FT1
853			Carry out risk assement	0.25 hrs	Sat 29/04/23 07:15	Sat 29/04/23 07:30	852	Corrocoat,G Kapenda
854			Install decontamination controls	6 hrs	Sat 29/04/23 07:30	Sat 29/04/23 14:00	853	Decon Team
855			Obtain vessel entry permit	0.25 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:15	854	Operations
856			Erect internal mobile scaffold	2 hrs	Sat 29/04/23 14:15	Sat 29/04/23 16:15	855	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
857			Peel off rubberlining	10 hrs	Sat 29/04/23 16:15	Sun 30/04/23 02:15	856	Corrocoat
858			Sandblast vessel	8 hrs	Sun 30/04/23 02:15	Sun 30/04/23 10:15	857	Corrocoat
859			Clean surfaces	4 hrs	Sun 30/04/23 10:15	Sun 30/04/23 14:15	858	Corrocoat
860			Carry out thickness test	4 hrs	Sun 30/04/23 14:15	Sun 30/04/23 18:15	859	Corrocoat
861			Carry out repairs to worn out, holed or damaged areas	20 hrs	Sun 30/04/23 18:15	Mon 01/05/23 14:15	860	Corrocoat
862			Decontaminate vessel	6 hrs	Mon 01/05/23 14:15	Mon 01/05/23 20:15	861	Corrocoat
863			Carry out glasscoating priming	12 hrs	Mon 01/05/23 20:15	Tue 02/05/23 08:15	862	Corrocoat
864			Curing time	8 hrs	Tue 02/05/23 08:15	Tue 02/05/23 16:15	863	Corrocoat
865			Carry out glasscoating final coat	12 hrs	Tue 02/05/23 16:15	Wed 03/05/23 04:15	864	Corrocoat
866			Curing time	8 hrs	Wed 03/05/23 04:15	Wed 03/05/23 12:15	865	Corrocoat
867			Perform spark testing	4 hrs	Wed 03/05/23 12:15	Wed 03/05/23 16:15	866	Corrocoat
868			Remove scaffold	1 hr	Wed 03/05/23 16:15	Wed 03/05/23 17:15	867	Carbo-SSFT1,Carbo-FT1
869			Remove decontamination controls	6 hrs	Wed 03/05/23 17:15	Thu 04/05/23 12:45	868	Decon Team
870			Clear permit	0.25 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:00	869	Carbo-SSFT1,Carbo-FT1
871		**27B2FK01**	**# A SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.75 hrs**	**Wed 19/04/23 11:30**	**Tue 25/04/23 15:45**		
872			Inspect prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
873			Make Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	872	M Ramatlhakeng,S Monna
874			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	873	M Ramatlhakeng,S Monna
875			Risk Assesment	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	874	M Ramatlhakeng,S Monna
876			Order Material	1 hr	Wed 19/04/23 12:45	Wed 19/04/23 13:45	875	M Ramatlhakeng,S Monna
877			Mark Pipes To Sizes	1.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 15:15	876	M Ramatlhakeng,S Monna
878			Cut Pipes As Per Marked	3 hrs	Wed 19/04/23 15:15	Thu 20/04/23 07:15	877	M Ramatlhakeng,S Monna
879			Bevel Pipes	4 hrs	Thu 20/04/23 07:15	Thu 20/04/23 11:15	878	M Ramatlhakeng,S Monna
880			Assemble Pipes And Tack Weld	3 hrs	Thu 20/04/23 11:15	Thu 20/04/23 14:45	879	M Ramatlhakeng,S Monna
881			Flange Pipes	3 hrs	Thu 20/04/23 14:45	Thu 20/04/23 17:45	880	M Ramatlhakeng,S Monna
882			Weld Pipes	16 hrs	Thu 20/04/23 17:45	Sat 22/04/23 12:45	881	M Ramatlhakeng,S Monna
883			Sandblast And Paint Pipes	24 hrs	Sat 22/04/23 12:45	Mon 24/04/23 15:45	882	Painter 1
884			Transport Pipes To Site	1 hr	Mon 24/04/23 15:45	Mon 24/04/23 16:45	883	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
885			Cut Off Existing Pipes And Rigg Down	4 hrs	Mon 24/04/23 16:45	Tue 25/04/23 09:45	884	Ash-SSRig1,M Ramatlhakeng,S Monna,G Moeseraela,
886			Rig Up New Pipes And Bolt Up	4 hrs	Tue 25/04/23 09:45	Tue 25/04/23 14:15	885	Ash-SSRig1,Carbo-FT6,G Moeseraela,T Moloi,K Gaban

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
887		House Keeping	1 hr	Tue 25/04/23 14:15	Tue 25/04/23 15:15	886	Ash-SSRig1,M Ramatlhakeng,S Monna,G Moeseraela,T
888		Clear Permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30	887	Ash-SSRig1,M Ramatlhakeng,S Monna,G Moeseraela,T
889		Sign Off Permit	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	888	Operations
890	**27B2FK01**	**# A SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Tue 25/04/23 15:45**	**Wed 26/04/23 12:00**	**871**	
891		Make out permit	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00		Operations
892		Accept permit	0.25 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:15	891	G Kapenda,O Keamogetswe
893		Carry out risk assement	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	892	G Kapenda,O Keamogetswe
894		Ensure valve is in closed position	0.25 hrs	Tue 25/04/23 16:30	Tue 25/04/23 16:45	893	G Kapenda,O Keamogetswe
895		Loosen & remove all securing bolts	2 hrs	Tue 25/04/23 16:45	Wed 26/04/23 07:45	894	G Kapenda,O Keamogetswe
896		Rig out old valve	1 hr	Wed 26/04/23 07:45	Wed 26/04/23 08:45	895	Crane,Carbo-FT2,Ash-SSRig1,Carbo-SSFT2,G Moeserae
897		Rig in new valve	1 hr	Wed 26/04/23 08:45	Wed 26/04/23 09:45	896	Crane,Carbo-FT2,Ash-SSRig1,Carbo-SSFT2,G Moeserae
898		Replace all bolts	1 hr	Wed 26/04/23 09:45	Wed 26/04/23 10:45	897	G Kapenda,O Keamogetswe
899		Tighten all bolts in correct sequence	0.5 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:15	898	G Kapenda,O Keamogetswe
900		Housekeeping	0.5 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:45	899	G Kapenda,O Keamogetswe
901		Clear permit	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	900	G Kapenda,O Keamogetswe
902	**27B2FK02**	**# B SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.75 hrs**	**Wed 26/04/23 12:00**	**Tue 02/05/23 16:15**	**890**	
903		Inspect prior	0 hrs	Wed 26/04/23 12:00	Wed 26/04/23 12:00		
904		Make Permit	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	903	M Ramatlhakeng,S Monna
905		Accept Permit	0.25 hrs	Wed 26/04/23 12:45	Wed 26/04/23 13:00	904	M Ramatlhakeng,S Monna
906		Risk Assesment	0.25 hrs	Wed 26/04/23 13:00	Wed 26/04/23 13:15	905	M Ramatlhakeng,S Monna
907		Order Material	1 hr	Wed 26/04/23 13:15	Wed 26/04/23 14:15	906	M Ramatlhakeng,S Monna
908		Mark Pipes To Sizes	1.5 hrs	Wed 26/04/23 14:15	Wed 26/04/23 15:45	907	M Ramatlhakeng,S Monna
909		Cut Pipes As Per Marked	3 hrs	Wed 26/04/23 15:45	Thu 27/04/23 07:45	908	M Ramatlhakeng,S Monna
910		Bevel Pipes	4 hrs	Thu 27/04/23 07:45	Thu 27/04/23 11:45	909	M Ramatlhakeng,S Monna
911		Assemble Pipes And Tack Weld	3 hrs	Thu 27/04/23 11:45	Thu 27/04/23 15:15	910	M Ramatlhakeng,S Monna
912		Flange Pipes	3 hrs	Thu 27/04/23 15:15	Fri 28/04/23 07:15	911	M Ramatlhakeng,S Monna
913		Weld Pipes	16 hrs	Fri 28/04/23 07:15	Sat 29/04/23 13:15	912	M Ramatlhakeng,S Monna
914		Sandblast And Paint Pipes	24 hrs	Sat 29/04/23 13:15	Mon 01/05/23 16:15	913	Painter 1
915		Transport Pipes To Site	1 hr	Mon 01/05/23 16:15	Mon 01/05/23 17:15	914	Ash-SSRig1,G Moeseraela,T Moloi,K Gabantogele
916		Cut Off Existing Pipes And Rigg Down	4 hrs	Mon 01/05/23 17:15	Tue 02/05/23 10:15	915	Ash-SSRig1,M Ramatlhakeng,S Monna,G Moeseraela,T
917		Rig Up New Pipes And Bolt Up	4 hrs	Tue 02/05/23 10:15	Tue 02/05/23 14:45	916	Ash-SSRig1,Carbo-FT6,G Moeseraela,T Moloi,K Gaban
918		House Keeping	1 hr	Tue 02/05/23 14:45	Tue 02/05/23 15:45	917	Ash-SSRig1,M Ramatlhakeng,S Monna,G Moeseraela,T
919		Clear Permit	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	918	Ash-SSRig1,M Ramatlhakeng,S Monna,G Moeseraela,T
920		Sign Off Permit	0.25 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:15	919	Operations
921	**27B2FK02**	**# B SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Tue 02/05/23 16:15**	**Wed 03/05/23 13:00**	**902**	
922		Make out permit	0.25 hrs	Tue 02/05/23 16:15	Tue 02/05/23 16:30		Operations
923		Accept permit	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	922	G Kapenda,O Keamogetswe
924		Carry out risk assement	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	923	G Kapenda,O Keamogetswe
925		Ensure valve is in closed position	0.25 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:15	924	G Kapenda,O Keamogetswe
926		Loosen & remove all securing bolts	2 hrs	Tue 02/05/23 17:15	Wed 03/05/23 08:15	925	G Kapenda,O Keamogetswe
927		Rig out old valve	1 hr	Wed 03/05/23 08:15	Wed 03/05/23 09:15	926	Crane,Carbo-FT2,Ash-SSRig1,Carbo-SSFT2,G Moeserae
928		Rig in new valve	1 hr	Wed 03/05/23 09:15	Wed 03/05/23 10:15	927	Crane,Carbo-FT2,Ash-SSRig1,Carbo-SSFT2,G Moeserae
929		Replace all bolts	1 hr	Wed 03/05/23 10:15	Wed 03/05/23 11:15	928	G Kapenda,O Keamogetswe
930		Tighten all bolts in correct sequence	0.5 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:45	929	G Kapenda,O Keamogetswe
931		Housekeeping	0.5 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:45	930	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
932			Clear permit	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	931	G Kapenda,O Keamogetswe
933		**27B2FK03**	**# C SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.5 hrs**	**Wed 19/04/23 11:30**	**Tue 25/04/23 15:30**		
934			Inspect prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
935			Make Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	934	Operations
936			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	935	M Ramatlhakeng,S Monna
937			Risk Assesment	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	936	M Ramatlhakeng,S Monna
938			Order Material	1 hr	Wed 19/04/23 12:45	Wed 19/04/23 13:45	937	M Ramatlhakeng,S Monna
939			Mark Pipes To Sizes	1.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 15:15	938	M Ramatlhakeng,S Monna
940			Cut Pipes As Per Marked	3 hrs	Wed 19/04/23 15:15	Thu 20/04/23 07:15	939	M Ramatlhakeng,S Monna
941			Bevel Pipes	4 hrs	Thu 20/04/23 07:15	Thu 20/04/23 11:15	940	M Ramatlhakeng,S Monna
942			Assemble Pipes And Tack Weld	3 hrs	Thu 20/04/23 11:15	Thu 20/04/23 14:45	941	M Ramatlhakeng,S Monna
943			Flange Pipes	3 hrs	Thu 20/04/23 14:45	Thu 20/04/23 17:45	942	M Ramatlhakeng,S Monna
944			Weld Pipes	16 hrs	Thu 20/04/23 17:45	Sat 22/04/23 12:45	943	M Ramatlhakeng,S Monna
945			Sandblast And Paint Pipes	24 hrs	Sat 22/04/23 12:45	Mon 24/04/23 15:45	944	Painter 1
946			Transport Pipes To Site	1 hr	Mon 24/04/23 15:45	Mon 24/04/23 16:45	945	Crane lorry,G Moeseraela,T Moloi,K Gabantogele
947			Cut Off Existing Pipes And Rigg Down	4 hrs	Mon 24/04/23 16:45	Tue 25/04/23 09:45	946	M Ramatlhakeng,S Monna,G Moeseraela,T Moloi,K Ga
948			Rig Up New Pipes And Bolt Up	4 hrs	Tue 25/04/23 09:45	Tue 25/04/23 14:15	947	G Moeseraela,T Moloi,K Gabantogele
949			House Keeping	1 hr	Tue 25/04/23 14:15	Tue 25/04/23 15:15	948	M Ramatlhakeng,S Monna,G Moeseraela,T Moloi,K Ga
950			Clear Permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30	949	M Ramatlhakeng,S Monna,G Moeseraela,T Moloi,K Ga
951		**27B2FK03**	**# C SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Tue 25/04/23 15:30**	**Wed 26/04/23 11:45**	**933**	
952			Make out permit	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45		Operations
953			Accept permit	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	952	Cryst-FT1,Cryst-SSFT1
954			Carry out risk assement	0.25 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:15	953	Cryst-FT1,Cryst-SSFT1
955			Ensure valve is in closed position	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	954	Cryst-FT1,Cryst-SSFT1
956			Loosen & remove all securing bolts	2 hrs	Tue 25/04/23 16:30	Wed 26/04/23 07:30	955	Cryst-FT1,Cryst-SSFT1
957			Rig out old valve	1 hr	Wed 26/04/23 07:30	Wed 26/04/23 08:30	956	Crane,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T Moloi,K
958			Rig in new valve	1 hr	Wed 26/04/23 08:30	Wed 26/04/23 09:30	957	Crane,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T Moloi,K
959			Replace all bolts	1 hr	Wed 26/04/23 09:30	Wed 26/04/23 10:30	958	Cryst-FT1,Cryst-SSFT1
960			Tighten all bolts in correct sequence	0.5 hrs	Wed 26/04/23 10:30	Wed 26/04/23 11:00	959	Cryst-FT1,Cryst-SSFT1
961			Housekeeping	0.5 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:30	960	Cryst-FT1,Cryst-SSFT1
962			Clear permit	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	961	Cryst-FT1,Cryst-SSFT1
963		**27B2FK04**	**# D SAND FILTER - Fabricate And Replace Sandfilter internal pipes**	**66.75 hrs**	**Wed 26/04/23 11:45**	**Tue 02/05/23 16:00**	**951**	
964			Inspect prior	0 hrs	Wed 26/04/23 11:45	Wed 26/04/23 11:45		
965			Make Permit	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	964	Operations
966			Accept Permit	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	965	M Ramatlhakeng,S Monna
967			Risk Assesment	0.25 hrs	Wed 26/04/23 12:45	Wed 26/04/23 13:00	966	M Ramatlhakeng,S Monna
968			Order Material	1 hr	Wed 26/04/23 13:00	Wed 26/04/23 14:00	967	M Ramatlhakeng,S Monna
969			Mark Pipes To Sizes	1.5 hrs	Wed 26/04/23 14:00	Wed 26/04/23 15:30	968	M Ramatlhakeng,S Monna
970			Cut Pipes As Per Marked	3 hrs	Wed 26/04/23 15:30	Thu 27/04/23 07:30	969	M Ramatlhakeng,S Monna
971			Bevel Pipes	4 hrs	Thu 27/04/23 07:30	Thu 27/04/23 11:30	970	M Ramatlhakeng,S Monna
972			Assemble Pipes And Tack Weld	3 hrs	Thu 27/04/23 11:30	Thu 27/04/23 15:00	971	M Ramatlhakeng,S Monna
973			Flange Pipes	3 hrs	Thu 27/04/23 15:00	Thu 27/04/23 18:00	972	M Ramatlhakeng,S Monna
974			Weld Pipes	16 hrs	Fri 28/04/23 07:00	Sat 29/04/23 13:00	973	M Ramatlhakeng,S Monna
975			Sandblast And Paint Pipes	24 hrs	Sat 29/04/23 13:00	Mon 01/05/23 16:00	974	Painter 1
976			Transport Pipes To Site	1 hr	Mon 01/05/23 16:00	Mon 01/05/23 17:00	975	Crane lorry,G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
977			Cut Off Existing Pipes And Rigg Down	4 hrs	Mon 01/05/23 17:00	Tue 02/05/23 10:00	976	M Ramatlhakeng,S Monna,G Moeseraela,T Moloi,K Ga
978			Rig Up New Pipes And Bolt Up	4 hrs	Tue 02/05/23 10:00	Tue 02/05/23 14:30	977	G Moeseraela,T Moloi,K Gabantogele
979			House Keeping	1 hr	Tue 02/05/23 14:30	Tue 02/05/23 15:30	978	M Ramatlhakeng,S Monna,G Moeseraela,T Moloi,K Ga
980			Clear Permit	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45	979	M Ramatlhakeng,S Monna,G Moeseraela,T Moloi,K Ga
981			Sign Off Permit	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	980	Operations
982		**27B2FK04**	**# D SAND FILTER - Replace T-Brine inlet isolation valve**	**7.25 hrs**	**Tue 02/05/23 16:00**	**Wed 03/05/23 12:45**	**963**	
983			Make out permit	0.25 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:15		Operations
984			Accept permit	0.25 hrs	Tue 02/05/23 16:15	Tue 02/05/23 16:30	983	G Kapenda,O Keamogetswe
985			Carry out risk assement	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	984	G Kapenda,O Keamogetswe
986			Ensure valve is in closed position	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	985	G Kapenda,O Keamogetswe
987			Loosen & remove all securing bolts	2 hrs	Tue 02/05/23 17:00	Wed 03/05/23 08:00	986	G Kapenda,O Keamogetswe
988			Rig out old valve	1 hr	Wed 03/05/23 08:00	Wed 03/05/23 09:00	987	Crane,G Kapenda,O Keamogetswe,G Moeseraela,T M
989			Rig in new valve	1 hr	Wed 03/05/23 09:00	Wed 03/05/23 10:00	988	Crane,G Kapenda,O Keamogetswe,G Moeseraela,T M
990			Replace all bolts	1 hr	Wed 03/05/23 10:00	Wed 03/05/23 11:00	989	G Kapenda,O Keamogetswe
991			Tighten all bolts in correct sequence	0.5 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:30	990	G Kapenda,O Keamogetswe
992			Housekeeping	0.5 hrs	Wed 03/05/23 11:30	Wed 03/05/23 12:00	991	G Kapenda,O Keamogetswe
993			Clear permit	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	992	G Kapenda,O Keamogetswe
994		**27B2FK01**	**# A SAND FILTER - Repair Fibre Glass Pipe T - Brine Inlet (Fibre Glass Specialist)**	**13.25 hrs**	**Wed 03/05/23 12:45**	**Thu 04/05/23 15:30**	**632,982**	
995			Clean the area(prior)	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00		Operations
996			Make out permit	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	995	Operations
997			Accept permit to work	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30	996	Cryst-FT1,Cryst-SSFT1
998			Carry out risk assesment	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	997	Contractor,Cryst-FT1,Cryst-SSFT1
999			Support the pipe to be cut with correct lifting gear	0.5 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:15	998	G Moeseraela,T Moloi,K Gabantogele
1000			Unbolt the clamps securing the pipes(saddle clamps)	0.5 hrs	Wed 03/05/23 14:15	Wed 03/05/23 14:45	999	Contractor,Cryst-FT1,Cryst-SSFT1
1001			Cut a section of the pipe to be replaced and remove it using correct lifting gear	1 hr	Wed 03/05/23 14:45	Wed 03/05/23 15:45	1000	Contractor,Cryst-FT1,Cryst-SSFT1
1002			Rig a new pipe in position and align with an existing pipe	2 hrs	Wed 03/05/23 15:45	Wed 03/05/23 17:45	1001	G Moeseraela,T Moloi,K Gabantogele
1003			Join and bond the pipes together using the material and chemicals provided	2 hrs	Wed 03/05/23 17:45	Thu 04/05/23 08:45	1002	Contractor,Cryst-FT1,Cryst-SSFT1
1004			Allow them to cure	4 hrs	Thu 04/05/23 08:45	Thu 04/05/23 13:15	1003	Contractor,Cryst-FT1,Cryst-SSFT1
1005			Lower the pipes on the saddles and secure them	0.5 hrs	Thu 04/05/23 13:15	Thu 04/05/23 13:45	1004	G Moeseraela,T Moloi,K Gabantogele
1006			Remove the lifting gear	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	1005	G Moeseraela,T Moloi,K Gabantogele
1007			Carry out housekeeping	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	1006	Contractor,Cryst-FT1,Cryst-SSFT1
1008			Dismantle the scaffolding	1 hr	Thu 04/05/23 14:15	Thu 04/05/23 15:15	1007	G Moeseraela,T Moloi,K Gabantogele
1009			Sign off the permit	0.25 hrs	Thu 04/05/23 15:15	Thu 04/05/23 15:30	1008	Cryst-FT1,Cryst-SSFT1
1010		**27B2ST01**	**HOT WASH INLET TO SAND FILTERS - Replace valve**	**7.25 hrs**	**Thu 27/04/23 16:45**	**Fri 28/04/23 13:30**	**1126**	
1011			Make out permit	0.25 hrs	Thu 27/04/23 16:45	Thu 27/04/23 17:00		Operations
1012			Accept permit	0.25 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:15	1011	G Kapenda,O Keamogetswe
1013			Carry out risk assement	0.25 hrs	Thu 27/04/23 17:15	Thu 27/04/23 17:30	1012	G Kapenda,O Keamogetswe
1014			Ensure valve is in closed position	0.25 hrs	Thu 27/04/23 17:30	Thu 27/04/23 17:45	1013	G Kapenda,O Keamogetswe
1015			Loosen & remove all securing bolts	2 hrs	Thu 27/04/23 17:45	Fri 28/04/23 08:45	1014	G Kapenda,O Keamogetswe
1016			Remove old valve	1 hr	Fri 28/04/23 08:45	Fri 28/04/23 09:45	1015	Crane,G Kapenda,O Keamogetswe,G Moeseraela,T M
1017			Install new valve	1 hr	Fri 28/04/23 09:45	Fri 28/04/23 10:45	1016	Crane,G Kapenda,O Keamogetswe,G Moeseraela,T M
1018			Replace all bolts	1 hr	Fri 28/04/23 10:45	Fri 28/04/23 11:45	1017	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1019			Tighten all bolts in correct sequence	0.5 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:45	1018	G Kapenda,O Keamogetswe
1020			Housekeeping	0.5 hrs	Fri 28/04/23 12:45	Fri 28/04/23 13:15	1019	G Kapenda,O Keamogetswe
1021			Clear permit	0.25 hrs	Fri 28/04/23 13:15	Fri 28/04/23 13:30	1020	G Kapenda,O Keamogetswe
1022		**27B2FB04**	**CARBONATION FEED TANK - Carry Out Spark Test And Repair**	**121.25 hrs**	**Wed 19/04/23 11:30**	**Sun 30/04/23 17:45**	**676**	
1023			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1024			Accept Permit	0.25 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:00	547,1023	G Kapenda,O Keamogetswe
1025			Before Washing Swing All Blinds	3 hrs	Fri 21/04/23 13:00	Fri 21/04/23 16:00	1024	G Kapenda,O Keamogetswe
1026			Open Manholes	2 hrs	Fri 21/04/23 16:00	Fri 21/04/23 18:00	1025	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1027			Carry out decontamination protocol	6 hrs	Sat 22/04/23 07:00	Sat 22/04/23 13:30	1026	Nicholas
1028			Complete Gas Test Procedure	1 hr	Sat 22/04/23 13:30	Sat 22/04/23 14:30	1027	Lab
1029			Disconnect Seal Leg And Check For Blockage	1 hr	Sat 22/04/23 14:30	Sat 22/04/23 15:30	1028	G Kapenda,O Keamogetswe
1030			Clean & Dry Floor	0 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:30	1029	Operations
1031			Erect 10 Meters High Scaffold	8 hrs	Sat 22/04/23 15:30	Sun 23/04/23 13:00	1030	G Moeseraela,T Moloi,K Gabantogele
1032			Inspect & Spark Test	5 hrs	Sun 23/04/23 20:15	Mon 24/04/23 01:15	554,1031	Corrocoat
1033			Sandblasting	8 hrs	Mon 24/04/23 01:15	Mon 24/04/23 09:15	1032	Corrocoat
1034			Replace Gland Seals	4 hrs	Mon 24/04/23 09:15	Mon 24/04/23 13:45	1033	G Kapenda,O Keamogetswe
1035			Apply glasscoating on damaged areas	20 hrs	Mon 24/04/23 13:45	Tue 25/04/23 09:45	1034	Corrocoat
1036			Curing time	48 hrs	Tue 25/04/23 09:45	Sat 29/04/23 16:15	1035	
1037			Remove Scaffold	4 hrs	Sat 29/04/23 16:15	Sun 30/04/23 09:15	1036	G Moeseraela,T Moloi,K Gabantogele
1038			Remove decontamination controls	6 hrs	Sun 30/04/23 09:15	Sun 30/04/23 15:45	1037	Nicholas
1039			Box Up Manholes	2 hrs	Sun 30/04/23 15:45	Sun 30/04/23 17:45	1038	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1040			Swing Blinds	0 hrs	Sun 30/04/23 17:45	Sun 30/04/23 17:45	1039	G Kapenda,O Keamogetswe
1041			Sign Off Work And Vessel Entry Permits	0 hrs	Sun 30/04/23 17:45	Sun 30/04/23 17:45	1040	G Kapenda,O Keamogetswe
1042		**27B2GA04**	**PRE-CARBONATOR FEED PUMP A - Overhaul pump**	**17 hrs**	**Thu 20/04/23 12:45**	**Sat 22/04/23 08:15**	**1359**	
1043			Make Out Permit	0.25 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:00		Operations
1044			Accept Permit	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	1043	G Moeseraela,T Moloi,G Kapenda,O Keamogetswe
1045			Loosen Bolts	1.5 hrs	Thu 20/04/23 13:15	Thu 20/04/23 14:45	1044	G Kapenda,O Keamogetswe
1046			Remove coupling guard	0.5 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:15	1045	G Kapenda,O Keamogetswe
1047			Uncouple pump	1 hr	Thu 20/04/23 15:15	Thu 20/04/23 16:15	1046	G Kapenda,O Keamogetswe
1048			Loosen top casing bolts	1.5 hrs	Thu 20/04/23 16:15	Thu 20/04/23 17:45	1047	G Kapenda,O Keamogetswe
1049			Rig out top casing	1 hr	Thu 20/04/23 17:45	Fri 21/04/23 07:45	1048	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1050			Inspect impeller condition	0.5 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:15	1049	G Kapenda,O Keamogetswe
1051			Overhaul pump	6 hrs	Fri 21/04/23 08:15	Fri 21/04/23 14:45	1050	G Kapenda,O Keamogetswe
1052			Rig in top casing	0.5 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:15	1051	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1053			Tighten casing bolts	1 hr	Fri 21/04/23 15:15	Fri 21/04/23 16:15	1052	G Kapenda,O Keamogetswe
1054			Carry out rough alignment	0.5 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:45	1053	G Kapenda,O Keamogetswe
1055			Couple pump and motor	0.5 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:15	1054	G Kapenda,O Keamogetswe
1056			Carry out laser alignment	1 hr	Fri 21/04/23 17:15	Sat 22/04/23 07:15	1055	Reliability
1057			Replace coupling guard	0.5 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:45	1056	G Kapenda,O Keamogetswe
1058			Housekeeping	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	1057	G Kapenda,O Keamogetswe
1059			Clear Permit	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15	1058	Operations,G Kapenda,O Keamogetswe
1060		**27B2GA04**	**PRE-CARBONATOR FEED PUMP B - Overhaul pump**	**17 hrs**	**Sat 22/04/23 08:15**	**Sun 23/04/23 15:15**	**1042**	
1061			Make Out Permit	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30		Operations
1062			Accept Permit	0.25 hrs	Sat 22/04/23 08:30	Sat 22/04/23 08:45	1061	G Moeseraela,T Moloi,G Kapenda,O Keamogetswe
1063			Loosen Bolts	1.5 hrs	Sat 22/04/23 08:45	Sat 22/04/23 10:15	1062	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1064			Remove coupling guard	0.5 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:45	1063	G Kapenda,O Keamogetswe
1065			Uncouple pump	1 hr	Sat 22/04/23 10:45	Sat 22/04/23 11:45	1064	G Kapenda,O Keamogetswe
1066			Loosen top casing bolts	1.5 hrs	Sat 22/04/23 11:45	Sat 22/04/23 13:45	1065	G Kapenda,O Keamogetswe
1067			Rig out top casing	1 hr	Sat 22/04/23 13:45	Sat 22/04/23 14:45	1066	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1068			Inspect impeller condition	0.5 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:15	1067	G Kapenda,O Keamogetswe
1069			Overhaul pump	6 hrs	Sat 22/04/23 15:15	Sun 23/04/23 10:15	1068	G Kapenda,O Keamogetswe
1070			Rig in top casing	0.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:45	1069	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1071			Tighten casing bolts	1 hr	Sun 23/04/23 10:45	Sun 23/04/23 11:45	1070	G Kapenda,O Keamogetswe
1072			Carry out rough alignment	0.5 hrs	Sun 23/04/23 11:45	Sun 23/04/23 12:45	1071	G Kapenda,O Keamogetswe
1073			Couple pump and motor	0.5 hrs	Sun 23/04/23 12:45	Sun 23/04/23 13:15	1072	G Kapenda,O Keamogetswe
1074			Carry out laser alignment	1 hr	Sun 23/04/23 13:15	Sun 23/04/23 14:15	1073	Reliability
1075			Replace coupling guard	0.5 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:45	1074	G Kapenda,O Keamogetswe
1076			Housekeeping	0.25 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:00	1075	G Kapenda,O Keamogetswe
1077			Clear Permit	0.25 hrs	Sun 23/04/23 15:00	Sun 23/04/23 15:15	1076	Operations,G Kapenda,O Keamogetswe
1078		**27B6P011**	**T-BRINE LINE TO TRIM HEATER - Replace Spool Pieces 2 off**	**10 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 11:00**		
1079			Fabricate spools prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
1080			Make out permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1079	Operations
1081			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1080	Carbo-FT6,Carbo-SSFT7
1082			Carry out risk assesment	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1081	Carbo-FT6,Carbo-SSFT7
1083			Loosen spool pieces	1.5 hrs	Wed 19/04/23 12:45	Wed 19/04/23 14:15	1082	Carbo-FT6,Carbo-SSFT7
1084			Disconnect contro valve airlines	0.5 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:45	1083	Ins-Ash
1085			Rig out spool pieces and valve	1 hr	Wed 19/04/23 14:45	Wed 19/04/23 15:45	1084	Carbo-FT6,Carbo-SSFT7
1086			Strip valve from old spool pieces	1 hr	Wed 19/04/23 15:45	Wed 19/04/23 16:45	1085	Carbo-FT6,Carbo-SSFT7
1087			Install on new spool pieces	1 hr	Wed 19/04/23 16:45	Wed 19/04/23 17:45	1086	Carbo-FT6,Carbo-SSFT7
1088			Install new spool piece and valve	2 hrs	Wed 19/04/23 17:45	Thu 20/04/23 08:45	1087	Carbo-FT6,Carbo-SSFT7
1089			Install column to support the discharge pipe	1 hr	Thu 20/04/23 08:45	Thu 20/04/23 09:45	1088	Carbo-FT6,Carbo-SSFT7
1090			Reconnect contro valve airlines	0.5 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:15	1089	Ins-Ash
1091			Carry out housekeeping	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	1090	Carbo-FT6,Carbo-SSFT7
1092			Sign off the permit	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	1091	Carbo-FT6,Carbo-SSFT7
1093			Clear permit	0.25 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:00	1092	Carbo-FT6,Carbo-SSFT7
1094		**27B6P011**	**T-BRINE LINE TO TRIM HEATER - Replace pipe 400NB**	**34.5 hrs**	**Thu 20/04/23 11:00**	**Sun 23/04/23 14:30**	**1078**	
1095			Fabricate pipe prior	0 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:00		
1096			Erect scaffolding prior	0 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:00	1095	G Moeseraela,T Moloi
1097			Make out permit	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	1096	Operations
1098			Accept permit	0.25 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:30	1097	Carbo-FT6,Carbo-SSFT7,M Ramatlhakeng,S Monna
1099			Carry out risk assesment	0.25 hrs	Thu 20/04/23 11:30	Thu 20/04/23 11:45	1098	Carbo-FT6,Carbo-SSFT7,M Ramatlhakeng,S Monna
1100			Loosen pipe to be replaced	6 hrs	Thu 20/04/23 11:45	Fri 21/04/23 07:15	1099	Carbo-FT6,Carbo-SSFT7
1101			Rig out pipe	2 hrs	Fri 21/04/23 07:15	Fri 21/04/23 09:15	1100	Carbo-FT6,Carbo-SSFT7,M Ramatlhakeng,S Monna
1102			Cut flanges from old pipe	2 hrs	Fri 21/04/23 09:15	Fri 21/04/23 11:15	1101	M Ramatlhakeng,S Monna
1103			Machine flanges	8 hrs	Fri 21/04/23 11:15	Sat 22/04/23 08:45	1102	Machinist
1104			Install on new pipe, align and weld	8 hrs	Sat 22/04/23 08:45	Sat 22/04/23 17:15	1103	Weld (Ash),M Ramatlhakeng,S Monna
1105			Install fabricated pipe	3 hrs	Sat 22/04/23 17:15	Sun 23/04/23 09:15	1104	Carbo-FT6,Carbo-SSFT7
1106			Align flanges and tighten bolts	4 hrs	Sun 23/04/23 09:15	Sun 23/04/23 13:45	1105	Carbo-FT6,Carbo-SSFT7
1107			Carry out housekeeping	0.25 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:00	1106	Carbo-FT6,Weld (Ash),Carbo-SSFT7,M Ramatlhakeng,S
1108			Sign off the permit	0.25 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:15	1107	Carbo-FT6,Weld (Ash),Carbo-SSFT7,M Ramatlhakeng,S

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1109			Clear permit	0.25 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:30	1108	Carbo-FT6,Carbo-SSFT7
1110		**53C2GA06**	**TRIM HEATER CONDENSATE PUMP - Modify piping**	**26.5 hrs**	**Fri 28/04/23 13:30**	**Mon 01/05/23 08:00**	**1010**	
1111			Make Out Permit	0.25 hrs	Fri 28/04/23 13:30	Fri 28/04/23 13:45		Operations
1112			Accept Permit	0.25 hrs	Fri 28/04/23 13:45	Fri 28/04/23 14:00	1111	G Kapenda,O Keamogetswe
1113			Carry out risk asssessment	0.25 hrs	Fri 28/04/23 14:00	Fri 28/04/23 14:15	1112	G Kapenda,O Keamogetswe,Rig (Ash) 5
1114			Undo suction and discharge pipe bolts	1 hr	Fri 28/04/23 14:15	Fri 28/04/23 15:15	1113	G Kapenda,O Keamogetswe
1115			Rig out suction pipe	1 hr	Fri 28/04/23 15:15	Fri 28/04/23 16:15	1114	Rig (Ash) 5,M_Crane20T
1116			Rig out discharge pipe	1 hr	Fri 28/04/23 16:15	Fri 28/04/23 17:15	1115	Rig (Ash) 5,M_Crane20T
1117			Modify suction pipe to accomodate bellow	6 hrs	Fri 28/04/23 17:15	Sat 29/04/23 12:45	1116	M Ramatlhakeng,S Monna,Weld (Ash)
1118			Modify discharge pipe to accomodate bellow	6 hrs	Sat 29/04/23 12:45	Sun 30/04/23 07:45	1117	M Ramatlhakeng,S Monna,Weld (Ash)
1119			Install suction and discharge bellows	3 hrs	Sun 30/04/23 07:45	Sun 30/04/23 10:45	1118	G Kapenda,O Keamogetswe,M Ramatlhakeng,S Monn
1120			Rig in suction pipe	2 hrs	Sun 30/04/23 10:45	Sun 30/04/23 13:15	1119	Rig (Ash) 5,M_Crane20T
1121			Rig in diascharge pipe	2 hrs	Sun 30/04/23 13:15	Sun 30/04/23 15:15	1120	Rig (Ash) 5,M_Crane20T
1122			Align the pipes and bolt up	2 hrs	Sun 30/04/23 15:15	Sun 30/04/23 17:15	1121	G Kapenda,O Keamogetswe
1123			Tighten flange bolts	1 hr	Sun 30/04/23 17:15	Mon 01/05/23 07:15	1122	G Kapenda,O Keamogetswe
1124			Housekeeping	0.5 hrs	Mon 01/05/23 07:15	Mon 01/05/23 07:45	1123	Carbo-FT3,Civils,Carbo-SSFT3
1125			Clear permit	0.25 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:00	1124	Civils
1126		**27A2FH01**	**SEAL POT - Internal corrosion protection**	**88.75 hrs**	**Wed 19/04/23 11:30**	**Thu 27/04/23 16:45**	**698**	
1127			Open, drain and clean tank internally prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
1128			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1127	Operations
1129			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1128	G Kapenda,O Keamogetswe
1130			Open inspection cover for cleaning	4 hrs	Wed 19/04/23 12:30	Wed 19/04/23 16:30	1129	G Kapenda,O Keamogetswe
1131			Carry out decontamination protocol	6 hrs	Wed 19/04/23 16:30	Thu 20/04/23 11:30	1130	Nicholas
1132			Clean tank internally	6 hrs	Thu 20/04/23 11:30	Thu 20/04/23 17:30	1131	Operations
1133			Erect scaffolding	4 hrs	Thu 20/04/23 17:30	Fri 21/04/23 10:30	1132	G Moeseraela,T Moloi
1134			Sandblast	14 hrs	Fri 21/04/23 10:30	Sat 22/04/23 14:30	1133	Contractor
1135			Decontaminate	4 hrs	Sat 22/04/23 14:30	Sun 23/04/23 07:30	1134	Contractor
1136			Paint tank	24 hrs	Sun 23/04/23 07:30	Tue 25/04/23 10:30	1135	Contractor
1137			Curing time	12 hrs	Tue 25/04/23 10:30	Wed 26/04/23 12:00	1136	
1138			Dismantle scaffolding	4 hrs	Wed 26/04/23 12:30	Wed 26/04/23 16:30	1137	G Moeseraela,T Moloi
1139			Housekeeping	0.5 hrs	Wed 26/04/23 16:30	Wed 26/04/23 17:00	1138	Contractor
1140			Remove decontamination controls	6 hrs	Wed 26/04/23 17:00	Thu 27/04/23 12:00	1139	Nicholas
1141			Close inspection cover	4 hrs	Thu 27/04/23 12:30	Thu 27/04/23 16:30	1140	Nicholas
1142			Clear Permit	0.25 hrs	Thu 27/04/23 16:30	Thu 27/04/23 16:45	1141	G Kapenda,O Keamogetswe
1143		**27A2FH01**	**SEAL POT - Replace carbon steel pipe with stainless steel**	**36 hrs**	**Sat 22/04/23 14:30**	**Wed 26/04/23 08:00**	**1134**	
1144			Issue permit	0.25 hrs	Sat 22/04/23 14:30	Sat 22/04/23 14:45		Operations
1145			Accept permit	0.25 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:00	1144	M Ramatlhakeng,S Monna
1146			Carry out risk assement	0.25 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:15	1145	M Ramatlhakeng,S Monna
1147			Cut bolts	4 hrs	Sat 22/04/23 15:15	Sun 23/04/23 08:15	1146	M Ramatlhakeng,S Monna
1148			Rig out carbon steel pipes	6 hrs	Sun 23/04/23 08:15	Sun 23/04/23 14:45	1147	M Ramatlhakeng,S Monna
1149			Rig in stainless steel pipes	10 hrs	Sun 23/04/23 14:45	Mon 24/04/23 14:15	1148	G Moeseraela,T Moloi
1150			Align flanges insert gaskets and insert bolts	12 hrs	Mon 24/04/23 14:15	Tue 25/04/23 15:45	1149	G Moeseraela,T Moloi,M Ramatlhakeng,S Monna
1151			Decontamination process	2 hrs	Tue 25/04/23 15:45	Tue 25/04/23 17:45	1150	Operations
1152			Housekeeping	1 hr	Tue 25/04/23 17:45	Wed 26/04/23 07:45	1151	M Ramatlhakeng,S Monna
1153			Clear permit	0.25 hrs	Wed 26/04/23 07:45	Wed 26/04/23 08:00	1152	M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1154		**27A2DF01**	**PRE CARBONATOR - Carry Out Spark Test And Repair**	**129 hrs**	**Wed 19/04/23 11:30**	**Mon 01/05/23 15:00**	**666**	
1155			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1156			Accept Permit	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	1026,1155	G Kapenda,O Keamogetswe
1157			Before Washing Swing All Blinds	3 hrs	Sat 22/04/23 07:15	Sat 22/04/23 10:15	1156	G Kapenda,O Keamogetswe
1158			Open Manholes	2 hrs	Sat 22/04/23 10:15	Sat 22/04/23 12:45	1157	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1159			Carry out decontamination protocol	6 hrs	Sat 22/04/23 12:45	Sun 23/04/23 07:45	1158	Nicholas
1160			Complete Gas Test Procedure	1 hr	Sun 23/04/23 07:45	Sun 23/04/23 08:45	1159	Lab
1161			Disconnect Seal Leg And Check For Blockage	1 hr	Sun 23/04/23 08:45	Sun 23/04/23 09:45	1160	G Kapenda,O Keamogetswe
1162			Clean & Dry Floor	0 hrs	Sun 23/04/23 09:45	Sun 23/04/23 09:45	1161	Operations
1163			Erect 10 Meters High Scaffold	8 hrs	Sun 23/04/23 09:45	Mon 24/04/23 07:15	1162	G Moeseraela,T Moloi,K Gabantogele
1164			Inspect & Spark Test	5 hrs	Mon 24/04/23 09:15	Mon 24/04/23 14:15	1033,1163	Corrocoat
1165			Sandblasting	8 hrs	Mon 24/04/23 14:15	Mon 24/04/23 22:15	1164	Corrocoat
1166			Replace Gland Seals	4 hrs	Tue 25/04/23 07:00	Tue 25/04/23 11:00	1165	G Kapenda,O Keamogetswe
1167			Apply glasscoating on damaged areas	20 hrs	Tue 25/04/23 11:00	Wed 26/04/23 07:00	1166	Corrocoat
1168			Curing time	48 hrs	Wed 26/04/23 07:00	Sun 30/04/23 13:30	1167	
1169			Remove Scaffold	4 hrs	Sun 30/04/23 13:30	Sun 30/04/23 17:30	1168	G Moeseraela,T Moloi,K Gabantogele
1170			Remove decontamination controls	6 hrs	Sun 30/04/23 17:30	Mon 01/05/23 13:00	1169	Nicholas
1171			Box Up Manholes	2 hrs	Mon 01/05/23 13:00	Mon 01/05/23 15:00	1170	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1172			Swing Blinds	0 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:00	1171	G Kapenda,O Keamogetswe
1173			Sign Off Work And Vessel Entry Permits	0 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:00	1172	G Kapenda,O Keamogetswe
1174		**27A2GK01**	**PRE CARBONATOR GEARBOX AGITATOR - Carry Out Inspection**	**11.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 12:45**		
1175			Lift Oil Drum (Prior)	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
1176			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1175	Operations
1177			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1176	G Kapenda,O Keamogetswe
1178			Open Covers	1.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 14:00	1177	G Kapenda,O Keamogetswe
1179			Inspect gears and seal	2.5 hrs	Wed 19/04/23 14:00	Wed 19/04/23 16:30	1178	G Kapenda,O Keamogetswe
1180			Inspect couplings both for gearbox to the motor and gearbox to the sha	2.5 hrs	Wed 19/04/23 16:30	Thu 20/04/23 08:00	1179	G Kapenda,O Keamogetswe
1181			Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Thu 20/04/23 08:00	Thu 20/04/23 12:00	1180	G Kapenda,O Keamogetswe
1182			Clear Permit	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	1181	G Kapenda,O Keamogetswe
1183		**27A2DF01**	**PRE CARBONATOR - Steady Rest Inspection**	**20.5 hrs**	**Wed 19/04/23 11:30**	**Fri 21/04/23 11:00**	**1154SS**	
1184			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1185			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1184	G Kapenda,O Keamogetswe
1186			Open Manholes and swing blinds	2 hrs	Wed 19/04/23 12:30	Wed 19/04/23 14:30	1185	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1187			Complete Gas Analysis Test	0.5 hrs	Wed 19/04/23 14:30	Wed 19/04/23 15:00	1186	Lab
1188			Accept Vessel Entry Permit	0.25 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:15	1187	G Kapenda,O Keamogetswe
1189			Inspect	0.5 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:45	1188	Engineer,Operations
1190			Inspect Steady Bearings & Replace If Clearances Too Big (10Mm Max)	0.5 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:15	1189	G Kapenda,O Keamogetswe,M Ramatlhakeng,S Monn
1191			Remove Pedestal Bolts & Disconnect Waterline	1 hr	Wed 19/04/23 16:15	Wed 19/04/23 17:15	1190	G Kapenda,O Keamogetswe
1192			Support The Whole Shaft Assembly	2 hrs	Wed 19/04/23 17:15	Thu 20/04/23 08:15	1191	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1193			Cut Off Sleeve	4 hrs	Thu 20/04/23 08:15	Thu 20/04/23 12:45	1192	M Ramatlhakeng,S Monna
1194			Install New Pedestal & Sleeve	1 hr	Thu 20/04/23 12:45	Thu 20/04/23 13:45	1193	Carbo-FT6,M Ramatlhakeng,S Monna,G Moeseraela,T
1195			Position Sleeve And Weld	4 hrs	Thu 20/04/23 13:45	Thu 20/04/23 17:45	1194	M Ramatlhakeng,S Monna
1196			Install Pedestal Bolts And Secure	0.5 hrs	Thu 20/04/23 17:45	Fri 21/04/23 07:15	1195	G Kapenda,O Keamogetswe
1197			Reconnect Water Line To Pedestal	0.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:45	1196	G Kapenda,O Keamogetswe
1198			Measure Clearances & Record Clearances	0.5 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:15	1197	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1199			Remove Jacks	0.5 hrs	Fri 21/04/23 08:15	Fri 21/04/23 08:45	1198	G Moeseraela,T Moloi,K Gabantogele
1200			Box up	2 hrs	Fri 21/04/23 08:45	Fri 21/04/23 10:45	1199	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1201			Clear Permits	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	1200	G Kapenda,O Keamogetswe
1202		**27A2DF02**	**PRIMARY CARBONATOR FEED PUMP A - Overhaul Pump**	**16.75 hrs**	**Thu 20/04/23 12:45**	**Sat 22/04/23 08:00**	**1174**	
1203			Make Out Permit	0.25 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:00		Operations
1204			Accept Permit	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	1203	G Kapenda,O Keamogetswe
1205			Loosen Bolts	1.5 hrs	Thu 20/04/23 13:15	Thu 20/04/23 14:45	1204	G Kapenda,O Keamogetswe
1206			Remove Guard	0.5 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:15	1205	G Kapenda,O Keamogetswe
1207			Remove Pump	2 hrs	Thu 20/04/23 15:15	Thu 20/04/23 17:15	1206	M-Crane 7Ton,Carbo-FT6,G Moeseraela,T Moloi,K Gal
1208			Transport Pump To Workshop	0.5 hrs	Thu 20/04/23 17:15	Thu 20/04/23 17:45	1207	M-Crane 7Ton,G Kapenda,O Keamogetswe,G Moesera
1209			Strip Out And Overhaul Pump	6 hrs	Thu 20/04/23 17:45	Fri 21/04/23 13:15	1208	Workshop fitter
1210			Transport Pump To Plant	0.5 hrs	Fri 21/04/23 13:15	Fri 21/04/23 13:45	1209	G Moeseraela,T Moloi,K Gabantogele
1211			Install And Secure Pump	2 hrs	Fri 21/04/23 13:45	Fri 21/04/23 15:45	1210	M-Crane 7Ton,G Kapenda,O Keamogetswe,G Moesera
1212			Align Pump	2 hrs	Fri 21/04/23 15:45	Fri 21/04/23 17:45	1211	Carbo-FT5,Reliability,Carbo-SSFT5
1213			Replace Guard	0.5 hrs	Fri 21/04/23 17:45	Sat 22/04/23 07:15	1212	G Kapenda,O Keamogetswe
1214			Test Run Pump	0.5 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:45	1213	Operations
1215			Clear Permit	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	1214	G Kapenda,O Keamogetswe
1216		**27A2DF03**	**PRIMARY CARBONATOR FEED PUMP B - Carry Out Inspection**	**11.25 hrs**	**Sat 22/04/23 08:00**	**Sun 23/04/23 08:45**	**1202**	
1217			Make Out Permit	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15		Operations
1218			Accept Permit	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	1217	G Kapenda,O Keamogetswe
1219			Remove Guard	0.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 09:00	1218	G Kapenda,O Keamogetswe
1220			Inspect Coupling	1 hr	Sat 22/04/23 09:00	Sat 22/04/23 10:00	1219	G Kapenda,O Keamogetswe
1221			Check all mounting bolts	0.5 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:30	1220	G Kapenda,O Keamogetswe
1222			Check condition of the base	1 hr	Sat 22/04/23 10:30	Sat 22/04/23 11:30	1221	G Kapenda,O Keamogetswe
1223			Check all flanges both discharge & suction	0.5 hrs	Sat 22/04/23 11:30	Sat 22/04/23 12:00	1222	G Kapenda,O Keamogetswe
1224			Inspect all belows	1 hr	Sat 22/04/23 12:30	Sat 22/04/23 13:30	1223	G Kapenda,O Keamogetswe
1225			Drain& Refill Oil	1.5 hrs	Sat 22/04/23 13:30	Sat 22/04/23 15:00	1224	G Kapenda,O Keamogetswe
1226			Repack glands	1 hr	Sat 22/04/23 15:00	Sat 22/04/23 16:00	1225	G Kapenda,O Keamogetswe
1227			Carry Out or cross check Laser Alignment	3 hrs	Sat 22/04/23 16:00	Sun 23/04/23 08:00	1226	Reliability
1228			Replace Guard	0.5 hrs	Sun 23/04/23 08:00	Sun 23/04/23 08:30	1227	G Kapenda,O Keamogetswe
1229			Clear Permit	0.25 hrs	Sun 23/04/23 08:30	Sun 23/04/23 08:45	1228	G Kapenda,O Keamogetswe
1230		**27A2DF02**	**PRIMARY CARBONATOR A - Carry Out Spark Test And Repair**	**133.75 hrs**	**Wed 19/04/23 11:30**	**Tue 02/05/23 08:45**		
1231			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1232			Accept Permit	0.25 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:00	1158,1231	G Kapenda,O Keamogetswe
1233			Before Washing Swing All Blinds	3 hrs	Sat 22/04/23 13:00	Sat 22/04/23 16:00	1232	G Kapenda,O Keamogetswe
1234			Open Manholes	2 hrs	Sat 22/04/23 16:00	Sat 22/04/23 18:00	1233	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1235			Carry out decontamination protocol	6 hrs	Sun 23/04/23 07:00	Sun 23/04/23 13:30	1234	Nicholas
1236			Complete Gas Test Procedure	1 hr	Sun 23/04/23 13:30	Sun 23/04/23 14:30	1235	Lab
1237			Disconnect Seal Leg And Check For Blockage	1 hr	Sun 23/04/23 14:30	Sun 23/04/23 15:30	1236	G Kapenda,O Keamogetswe
1238			Clean & Dry Floor	0 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:30	1237	Operations
1239			Erect 10 Meters High Scaffold	8 hrs	Sun 23/04/23 15:30	Mon 24/04/23 13:00	1238	G Moeseraela,T Moloi,K Gabantogele
1240			Inspect & Spark Test	5 hrs	Mon 24/04/23 22:15	Tue 25/04/23 03:15	1165,1239	Corrocoat
1241			Sandblasting	8 hrs	Tue 25/04/23 03:15	Tue 25/04/23 11:15	1240	Corrocoat
1242			Replace Gland Seals	4 hrs	Tue 25/04/23 11:15	Tue 25/04/23 15:45	1241	G Kapenda,O Keamogetswe
1243			Apply glasscoating on damaged areas	20 hrs	Tue 25/04/23 15:45	Wed 26/04/23 11:45	1242	Corrocoat

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1244			Curing time	48 hrs	Wed 26/04/23 11:45	Mon 01/05/23 07:15	1243	
1245			Remove Scaffold	4 hrs	Mon 01/05/23 07:15	Mon 01/05/23 11:15	1244	G Moeseraela,T Moloi,K Gabantogele
1246			Remove decontamination controls	6 hrs	Mon 01/05/23 11:15	Mon 01/05/23 17:45	1245	Nicholas
1247			Box Up Manholes	2 hrs	Mon 01/05/23 17:45	Tue 02/05/23 08:45	1246	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1248			Swing Blinds	0 hrs	Tue 02/05/23 08:45	Tue 02/05/23 08:45	1247	G Kapenda,O Keamogetswe
1249			Sign Off Work And Vessel Entry Permits	0 hrs	Tue 02/05/23 08:45	Tue 02/05/23 08:45	1248	G Kapenda,O Keamogetswe
1250		**27A2DF02**	**PRIMARY CARBONATOR A - Modify Pipe work for Cooling Water Lines to accommodate isolation Valve**	**8.5 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 09:30**		
1251			Order flanges prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
1252			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1251	Operations
1253			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1252	M Ramatlhakeng,S Monna
1254			cut pipe section to accommodate valve	1.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 14:00	1253	M Ramatlhakeng,S Monna
1255			Install flanges 2"	2 hrs	Wed 19/04/23 14:00	Wed 19/04/23 16:00	1254	M Ramatlhakeng,S Monna
1256			tac and weld flanges	3 hrs	Wed 19/04/23 16:00	Thu 20/04/23 08:00	1255	M Ramatlhakeng,S Monna
1257			Install new valve 2"	1 hr	Thu 20/04/23 08:00	Thu 20/04/23 09:00	1256	M Ramatlhakeng,S Monna
1258			House keeping	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	1257	M Ramatlhakeng,S Monna
1259			Clear permit	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	1258	M Ramatlhakeng,S Monna
1260		**27A2DF02**	**PRIMARY CARBONATOR A - Steady Rest Inspection**	**20.5 hrs**	**Fri 21/04/23 11:00**	**Sun 23/04/23 10:30**	**1183**	
1261			Make Out Permit	0.25 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:15		Operations
1262			Accept Permit	0.25 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:30	1261	G Kapenda,O Keamogetswe
1263			Open Manholes and swing blinds	2 hrs	Fri 21/04/23 11:30	Fri 21/04/23 14:00	1262	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1264			Complete Gas Analysis Test	0.5 hrs	Fri 21/04/23 14:00	Fri 21/04/23 14:30	1263	Lab
1265			Accept Vessel Entry Permit	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45	1264	G Kapenda,O Keamogetswe
1266			Inspect	0.5 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:15	1265	Engineer,Operations
1267			Inspect Steady Bearings & Replace If Clearances Too Big (10Mm Max)	0.5 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:45	1266	G Kapenda,O Keamogetswe,M Ramatlhakeng,S Monn
1268			Remove Pedestal Bolts & Disconnect Waterline	1 hr	Fri 21/04/23 15:45	Fri 21/04/23 16:45	1267	G Kapenda,O Keamogetswe
1269			Support The Whole Shaft Assembly	2 hrs	Fri 21/04/23 16:45	Sat 22/04/23 07:45	1268	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1270			Cut Off Sleeve	4 hrs	Sat 22/04/23 07:45	Sat 22/04/23 11:45	1269	M Ramatlhakeng,S Monna
1271			Install New Pedestal & Sleeve	1 hr	Sat 22/04/23 11:45	Sat 22/04/23 13:15	1270	Carbo-FT6,M Ramatlhakeng,S Monna,G Moeseraela,T
1272			Position Sleeve And Weld	4 hrs	Sat 22/04/23 13:15	Sat 22/04/23 17:15	1271	M Ramatlhakeng,S Monna
1273			Install Pedestal Bolts And Secure	0.5 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:45	1272	G Kapenda,O Keamogetswe
1274			Reconnect Water Line To Pedestal	0.5 hrs	Sat 22/04/23 17:45	Sun 23/04/23 07:15	1273	G Kapenda,O Keamogetswe
1275			Measure Clearances & Record Clearances	0.5 hrs	Sun 23/04/23 07:15	Sun 23/04/23 07:45	1274	G Kapenda,O Keamogetswe
1276			Remove Jacks	0.5 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:15	1275	G Moeseraela,T Moloi,K Gabantogele
1277			Box up	2 hrs	Sun 23/04/23 08:15	Sun 23/04/23 10:15	1276	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1278			Clear Permits	0.25 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:30	1277	G Kapenda,O Keamogetswe
1279		**27A2GK02**	**PRIMARY CARBONATOR A GEARBOX AGITATOR - Carry Out Inspection**	**11.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 12:45**		
1280			Lift Oil Drum (Prior)	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
1281			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1280	Operations
1282			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1281	G Kapenda,O Keamogetswe
1283			Open Covers	1.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 14:00	1282	G Kapenda,O Keamogetswe
1284			Inspect gears and seal	2.5 hrs	Wed 19/04/23 14:00	Wed 19/04/23 16:30	1283	G Kapenda,O Keamogetswe
1285			Inspect couplings both for gearbox to the motor and gearbox to the shaf	2.5 hrs	Wed 19/04/23 16:30	Thu 20/04/23 08:00	1284	G Kapenda,O Keamogetswe
1286			Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Thu 20/04/23 08:00	Thu 20/04/23 12:00	1285	G Kapenda,O Keamogetswe
1287			Clear Permit	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	1286	G Kapenda,O Keamogetswe

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1288		**27A2DF02**	**PRIMARY CARBONATOR A - Modify Oil Catch Tray**	**9.5 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 10:30**		
1289			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		M Ramatlhakeng,S Monna
1290			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1289	M Ramatlhakeng,S Monna
1291			Carry out risk assessment	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1290	M Ramatlhakeng,S Monna,Fitter
1292			Undo oil tray bolts	1 hr	Wed 19/04/23 12:45	Wed 19/04/23 13:45	1291	M Ramatlhakeng,S Monna,Fitter
1293			Rig out oil tray	1 hr	Wed 19/04/23 13:45	Wed 19/04/23 14:45	1292	M Ramatlhakeng,S Monna,Rig (Ash) 5,M_Crane35T
1294			Modify oil tray	4 hrs	Wed 19/04/23 14:45	Thu 20/04/23 07:45	1293	M Ramatlhakeng,S Monna
1295			Rig in oil tray	1 hr	Thu 20/04/23 07:45	Thu 20/04/23 08:45	1294	M Ramatlhakeng,S Monna,Rig (Ash) 5,M_Crane35T
1296			Secure and bolt up	1 hr	Thu 20/04/23 08:45	Thu 20/04/23 09:45	1295	M Ramatlhakeng,S Monna,Fitter
1297			House keeping	0.5 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:15	1296	M Ramatlhakeng,S Monna,Fitter
1298			Clear Permit	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	1297	M Ramatlhakeng,S Monna
1299		**27A2DF03**	**PRIMARY CARBONATOR B - Carry Out Spark Test And Repair**	**139.5 hrs**	**Wed 19/04/23 11:30**	**Tue 02/05/23 15:00**		
1300			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1301			Accept Permit	0.25 hrs	Sun 23/04/23 07:00	Sun 23/04/23 07:15	1234,1300	G Kapenda,O Keamogetswe
1302			Before Washing Swing All Blinds	3 hrs	Sun 23/04/23 07:15	Sun 23/04/23 10:15	1301	G Kapenda,O Keamogetswe
1303			Open Manholes	2 hrs	Sun 23/04/23 10:15	Sun 23/04/23 12:45	1302	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1304			Carry out decontamination protocol	6 hrs	Sun 23/04/23 12:45	Mon 24/04/23 07:45	1303	Nicholas
1305			Complete Gas Test Procedure	1 hr	Mon 24/04/23 07:45	Mon 24/04/23 08:45	1304	Lab
1306			Disconnect Seal Leg And Check For Blockage	1 hr	Mon 24/04/23 08:45	Mon 24/04/23 09:45	1305	G Kapenda,O Keamogetswe
1307			Clean & Dry Floor	0 hrs	Mon 24/04/23 09:45	Mon 24/04/23 09:45	1306	Operations
1308			Erect 10 Meters High Scaffold	8 hrs	Mon 24/04/23 09:45	Tue 25/04/23 07:15	1307	G Moeseraela,T Moloi,K Gabantogele
1309			Inspect & Spark Test	5 hrs	Tue 25/04/23 11:15	Tue 25/04/23 16:15	1241,1308	Corrocoat
1310			Sandblasting	8 hrs	Tue 25/04/23 16:15	Wed 26/04/23 00:15	1309	Corrocoat
1311			Replace Gland Seals	4 hrs	Wed 26/04/23 07:00	Wed 26/04/23 11:00	1310	G Kapenda,O Keamogetswe
1312			Apply glasscoating on damaged areas	20 hrs	Wed 26/04/23 11:00	Thu 27/04/23 07:00	1311	Corrocoat
1313			Curing time	48 hrs	Thu 27/04/23 07:00	Mon 01/05/23 13:30	1312	
1314			Remove Scaffold	4 hrs	Mon 01/05/23 13:30	Mon 01/05/23 17:30	1313	G Moeseraela,T Moloi,K Gabantogele
1315			Remove decontamination controls	6 hrs	Mon 01/05/23 17:30	Tue 02/05/23 13:00	1314	Nicholas
1316			Box Up Manholes	2 hrs	Tue 02/05/23 13:00	Tue 02/05/23 15:00	1315	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1317			Swing Blinds	0 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:00	1316	G Kapenda,O Keamogetswe
1318			Sign Off Work And Vessel Entry Permits	0 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:00	1317	G Kapenda,O Keamogetswe
1319		**27A2DF03**	**PRIMARY CARBONATOR B - Modify Pipe work for Cooling Water Lines to accommodate isolation Valve**	**8.5 hrs**	**Thu 20/04/23 09:30**	**Fri 21/04/23 07:30**	**1250**	
1320			Order flanges prior	0 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:30		
1321			Make Out Permit	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	1320	Operations
1322			Accept Permit	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	1321	M Ramatlhakeng,S Monna
1323			cut pipe section to accommodate valve	1.5 hrs	Thu 20/04/23 10:00	Thu 20/04/23 11:30	1322	M Ramatlhakeng,S Monna
1324			Install flanges 2"	2 hrs	Thu 20/04/23 11:30	Thu 20/04/23 14:00	1323	M Ramatlhakeng,S Monna
1325			tac and weld flanges	3 hrs	Thu 20/04/23 14:00	Thu 20/04/23 17:00	1324	M Ramatlhakeng,S Monna
1326			Install new valve 2"	1 hr	Thu 20/04/23 17:00	Thu 20/04/23 18:00	1325	M Ramatlhakeng,S Monna
1327			House keeping	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	1326	M Ramatlhakeng,S Monna
1328			Clear permit	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	1327	M Ramatlhakeng,S Monna
1329		**27A2DF03**	**PRIMARY CARBONATOR B - Modify Oil Catch Tray**	**9.5 hrs**	**Thu 20/04/23 10:30**	**Fri 21/04/23 09:30**	**1288**	
1330			Make Out Permit	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45		M Ramatlhakeng,S Monna
1331			Accept Permit	0.25 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:00	1330	M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1332			Carry out risk assessment	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	1331	M Ramatlhakeng,S Monna,Fitter
1333			Undo oil tray bolts	1 hr	Thu 20/04/23 11:15	Thu 20/04/23 12:45	1332	M Ramatlhakeng,S Monna,Fitter
1334			Rig out oil tray	1 hr	Thu 20/04/23 12:45	Thu 20/04/23 13:45	1333	M Ramatlhakeng,S Monna,Rig (Ash) 5,M_Crane35T
1335			Modify oil tray	4 hrs	Thu 20/04/23 13:45	Thu 20/04/23 17:45	1334	M Ramatlhakeng,S Monna
1336			Rig in oil tray	1 hr	Thu 20/04/23 17:45	Fri 21/04/23 07:45	1335	M Ramatlhakeng,S Monna,Rig (Ash) 5,M_Crane35T
1337			Secure and bolt up	1 hr	Fri 21/04/23 07:45	Fri 21/04/23 08:45	1336	M Ramatlhakeng,S Monna,Fitter
1338			House keeping	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	1337	M Ramatlhakeng,S Monna,Fitter
1339			Clear Permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	1338	M Ramatlhakeng,S Monna
1340		**27A2DF03**	**PRIMARY CARBONATOR B - Steady Rest Inspection**	**20.5 hrs**	**Sun 23/04/23 10:30**	**Tue 25/04/23 10:00**	**1260**	
1341			Make Out Permit	0.25 hrs	Sun 23/04/23 10:30	Sun 23/04/23 10:45		Operations
1342			Accept Permit	0.25 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:00	1341	G Kapenda,O Keamogetswe
1343			Open Manholes and swing blinds	2 hrs	Sun 23/04/23 11:00	Sun 23/04/23 13:30	1342	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1344			Complete Gas Analysis Test	0.5 hrs	Sun 23/04/23 13:30	Sun 23/04/23 14:00	1343	Lab
1345			Accept Vessel Entry Permit	0.25 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:15	1344	G Kapenda,O Keamogetswe
1346			Inspect	0.5 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:45	1345	Engineer,Operations
1347			Inspect Steady Bearings & Replace If Clearances Too Big (10Mm Max)	0.5 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:15	1346	G Kapenda,O Keamogetswe,M Ramatlhakeng,S Monn
1348			Remove Pedestal Bolts & Disconnect Waterline	1 hr	Sun 23/04/23 15:15	Sun 23/04/23 16:15	1347	G Kapenda,O Keamogetswe
1349			Support The Whole Shaft Assembly	2 hrs	Sun 23/04/23 16:15	Mon 24/04/23 07:15	1348	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1350			Cut Off Sleeve	4 hrs	Mon 24/04/23 07:15	Mon 24/04/23 11:15	1349	M Ramatlhakeng,S Monna
1351			Install New Pedestal & Sleeve	1 hr	Mon 24/04/23 11:15	Mon 24/04/23 12:45	1350	Carbo-FT6,M Ramatlhakeng,S Monna,G Moeseraela,T
1352			Position Sleeve And Weld	4 hrs	Mon 24/04/23 12:45	Mon 24/04/23 16:45	1351	M Ramatlhakeng,S Monna
1353			Install Pedestal Bolts And Secure	0.5 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:15	1352	G Kapenda,O Keamogetswe
1354			Reconnect Water Line To Pedestal	0.5 hrs	Mon 24/04/23 17:15	Mon 24/04/23 17:45	1353	G Kapenda,O Keamogetswe
1355			Measure Clearances & Record Clearances	0.5 hrs	Mon 24/04/23 17:45	Tue 25/04/23 07:15	1354	G Kapenda,O Keamogetswe
1356			Remove Jacks	0.5 hrs	Tue 25/04/23 07:15	Tue 25/04/23 07:45	1355	G Moeseraela,T Moloi,K Gabantogele
1357			Box up	2 hrs	Tue 25/04/23 07:45	Tue 25/04/23 09:45	1356	G Kapenda,O Keamogetswe,G Moeseraela,T Moloi,K (
1358			Clear Permits	0.25 hrs	Tue 25/04/23 09:45	Tue 25/04/23 10:00	1357	G Kapenda,O Keamogetswe
1359		**27A2GK03**	**PRIMARY CARBONATOR B GEARBOX AGITATOR - Carry Out Inspection**	**11.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 12:45**		
1360			Lift Oil Drum (Prior)	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
1361			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1360	Operations
1362			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1361	G Kapenda,O Keamogetswe
1363			Open Covers	1.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 14:00	1362	G Kapenda,O Keamogetswe
1364			Inspect gears and seal	2.5 hrs	Wed 19/04/23 14:00	Wed 19/04/23 16:30	1363	G Kapenda,O Keamogetswe
1365			Inspect couplings both for gearbox to the motor and gearbox to the sha	2.5 hrs	Wed 19/04/23 16:30	Thu 20/04/23 08:00	1364	G Kapenda,O Keamogetswe
1366			Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Thu 20/04/23 08:00	Thu 20/04/23 12:00	1365	G Kapenda,O Keamogetswe
1367			Clear Permit	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	1366	G Kapenda,O Keamogetswe
1368		**27A2DF04**	**SECONDARY CARBONATOR - Carry Out Spark Test And Repair**	**145.25 hrs**	**Wed 19/04/23 11:30**	**Wed 03/05/23 09:45**		
1369			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1370			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1369	G Kapenda,O Keamogetswe
1371			Before Washing Swing All Blinds	3 hrs	Wed 19/04/23 12:30	Wed 19/04/23 15:30	1370	G Kapenda,O Keamogetswe
1372			Open Manholes	2 hrs	Wed 19/04/23 15:30	Wed 19/04/23 17:30	1371	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1373			Carry out decontamination protocol	6 hrs	Wed 19/04/23 17:30	Thu 20/04/23 13:00	1372	Nicholas
1374			Complete Gas Test Procedure	1 hr	Thu 20/04/23 13:00	Thu 20/04/23 14:00	1373	Lab
1375			Disconnect Seal Leg And Check For Blockage	1 hr	Thu 20/04/23 14:00	Thu 20/04/23 15:00	1374	G Kapenda,O Keamogetswe
1376			Clean & Dry Floor	0 hrs	Thu 20/04/23 15:00	Thu 20/04/23 15:00	1375	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1377			Erect 10 Meters High Scaffold	8 hrs	Thu 20/04/23 15:00	Fri 21/04/23 12:00	1376	G Moeseraela,T Moloi,K Gabantogele
1378			Inspect & Spark Test	5 hrs	Wed 26/04/23 00:15	Wed 26/04/23 05:15	1310,1377	Corrocoat
1379			Sandblasting	8 hrs	Wed 26/04/23 05:15	Wed 26/04/23 13:15	1378	Corrocoat
1380			Replace Gland Seals	4 hrs	Wed 26/04/23 13:15	Wed 26/04/23 17:15	1379	G Kapenda,O Keamogetswe
1381			Apply glasscoating on damaged areas	20 hrs	Wed 26/04/23 17:15	Thu 27/04/23 13:15	1380	Corrocoat
1382			Curing time	48 hrs	Thu 27/04/23 13:15	Tue 02/05/23 08:15	1381	
1383			Remove Scaffold	4 hrs	Tue 02/05/23 08:15	Tue 02/05/23 12:45	1382	G Moeseraela,T Moloi,K Gabantogele
1384			Remove decontamination controls	6 hrs	Tue 02/05/23 12:45	Wed 03/05/23 07:45	1383	Nicholas
1385			Box Up Manholes	2 hrs	Wed 03/05/23 07:45	Wed 03/05/23 09:45	1384	Carbo-FT4,M-Crane 7Ton,Carbo-SSFT4,G Moeseraela,
1386			Swing Blinds	0 hrs	Wed 03/05/23 09:45	Wed 03/05/23 09:45	1385	G Kapenda,O Keamogetswe
1387			Sign Off Work And Vessel Entry Permits	0 hrs	Wed 03/05/23 09:45	Wed 03/05/23 09:45	1386	G Kapenda,O Keamogetswe
1388		**27A2DF04**	**SECONDARY CARBONATOR - Modify Pipe work for Cooling Water Lines to accommodate isolation Valve**	**8.5 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 09:30**		
1389			Order flanges prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
1390			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1389	Operations
1391			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1390	M Ramatlhakeng,S Monna
1392			cut pipe section to accommodate valve	1.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 14:00	1391	M Ramatlhakeng,S Monna
1393			Install flanges 2"	2 hrs	Wed 19/04/23 14:00	Wed 19/04/23 16:00	1392	M Ramatlhakeng,S Monna
1394			tac and weld flanges	3 hrs	Wed 19/04/23 16:00	Thu 20/04/23 08:00	1393	M Ramatlhakeng,S Monna
1395			Install new valve 2"	1 hr	Thu 20/04/23 08:00	Thu 20/04/23 09:00	1394	M Ramatlhakeng,S Monna
1396			House keeping	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	1395	M Ramatlhakeng,S Monna
1397			Clear permit	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	1396	M Ramatlhakeng,S Monna
1398		**27A2GK04**	**SECONDARY CARBONATOR - Carbonator agitator shaft and steady rest assembly replacement**	**66 hrs**	**Wed 19/04/23 11:30**	**Tue 25/04/23 15:00**		
1399			Clean the area(prior)	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1400			Make out permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1399	Operations
1401			Accept permit to work	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1400	Carbo-FT6
1402			Carry out risk assesment	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00	1401	Carbo-FT6
1403			Open manhole cover	2 hrs	Wed 19/04/23 13:00	Wed 19/04/23 15:00	1402	Carbo-FT6
1404			Carry out decontamination protocol	6 hrs	Wed 19/04/23 15:00	Thu 20/04/23 10:00	1403	Nicholas
1405			Perform gas test and make vessel entry permit	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	1404	Laboratory,Operations
1406			Remove the shade	0.5 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:45	1405	G Moeseraela,T Moloi,K Gabantogele
1407			Disconnect the motor	0.5 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:15	1406	EL-Soda1
1408			Uncouple the motor and gearbox	0.5 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:45	1407	Carbo-FT6
1409			Remove the motor	0.5 hrs	Thu 20/04/23 11:45	Thu 20/04/23 12:45	1408	G Moeseraela,T Moloi,K Gabantogele
1410			Support the shaft to the structure below the coupling	2 hrs	Thu 20/04/23 12:45	Thu 20/04/23 14:45	1409	Carbo-FT6,M Ramatlhakeng,S Monna,G Moeseraela,T
1411			Uncouple gearbox from shaft	2 hrs	Thu 20/04/23 14:45	Thu 20/04/23 16:45	1410	Carbo-FT6
1412			Remove, gland follower, expnasion bellow, and auxilliary pipes	0.25 hrs	Thu 20/04/23 16:45	Thu 20/04/23 17:00	1411	Carbo-FT6
1413			Remove gearbox	2.5 hrs	Thu 20/04/23 17:00	Fri 21/04/23 08:30	1412	Crane,Carbo-FT6,G Moeseraela,T Moloi
1414			Drain oil from the gearbox	0.5 hrs	Fri 21/04/23 08:30	Fri 21/04/23 09:00	1413	Carbo-FT6
1415			Support the shaft on the blades using the stands	1 hr	Fri 21/04/23 09:00	Fri 21/04/23 10:00	1414	Carbo-FT6
1416			Cut the sleeve and remove pedestal bolts	4 hrs	Fri 21/04/23 10:00	Fri 21/04/23 14:30	1415	M Ramatlhakeng,S Monna
1417			Disconnect gland service water	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45	1416	Carbo-FT6
1418			Lift up the sleeve and secure using chain blocks	0.25 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:00	1417	G Moeseraela,T Moloi,K Gabantogele
1419			Insert the guide rail	0.5 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:30	1418	G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1420			Rig out pedestal	1 hr	Fri 21/04/23 15:30	Fri 21/04/23 16:30	1419	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
1421			Rig out sleeve	1 hr	Fri 21/04/23 16:30	Fri 21/04/23 17:30	1420	G Moeseraela,T Moloi,K Gabantogele
1422			Remove blades	1 hr	Fri 21/04/23 17:30	Sat 22/04/23 07:30	1421	Carbo-FT6
1423			Support the shaft with a crane on top	0.25 hrs	Sat 22/04/23 07:30	Sat 22/04/23 07:45	1422	G Moeseraela,T Moloi,K Gabantogele
1424			Cut and rig out the shaft	3 hrs	Sat 22/04/23 07:45	Sat 22/04/23 10:45	1423	G Moeseraela,T Moloi,K Gabantogele
1425			Clean the work area	0.5 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:15	1424	Operations
1426			Insert the bellow and secure (finger tight)	0.5 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:45	1425	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
1427			Rig shaft into position	2 hrs	Sat 22/04/23 11:45	Sat 22/04/23 14:15	1426	G Moeseraela,T Moloi,K Gabantogele
1428			Support the shaft below the coupling	5 hrs	Sat 22/04/23 14:15	Sun 23/04/23 08:15	1427	G Moeseraela,T Moloi,K Gabantogele
1429			Install and couple gearbox	1 hr	Sun 23/04/23 08:15	Sun 23/04/23 09:15	1428	G Moeseraela,T Moloi,K Gabantogele
1430			Install new sleeve	1 hr	Sun 23/04/23 09:15	Sun 23/04/23 10:15	1429	M-Crane 100Ton,G Moeseraela,T Moloi,K Gabantogel
1431			Install new pedestal	1 hr	Sun 23/04/23 10:15	Sun 23/04/23 11:15	1430	M-Crane 100Ton,G Moeseraela,T Moloi,K Gabantogel
1432			Tighten the pedestal mounting bolts,NB maintain the measurement between the sleeve and pedestal	1 hr	Sun 23/04/23 11:15	Sun 23/04/23 12:45	1431	Carbo-FT6
1433			Install the blades assembly and tighten	2.5 hrs	Sun 23/04/23 12:45	Sun 23/04/23 15:15	1432	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
1434			Support the agitator on the blades using jack stands	0.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:45	1433	G Moeseraela,T Moloi,K Gabantogele
1435			Tighten the gearbox mounting bolts	1 hr	Sun 23/04/23 15:45	Sun 23/04/23 16:45	1434	Carbo-FT6
1436			Install gearbox auxillary fittings	2 hrs	Sun 23/04/23 16:45	Mon 24/04/23 07:45	1435	Carbo-FT6
1437			Couple gearbox to shaft	0.5 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:15	1436	Carbo-FT6
1438			Install motor	1 hr	Mon 24/04/23 08:15	Mon 24/04/23 09:15	1437	G Moeseraela,T Moloi,K Gabantogele
1439			Couple motor to gearbox and align	2 hrs	Mon 24/04/23 09:15	Mon 24/04/23 11:15	1438	Reliability,Carbo-FT6
1440			Tighten mounting bolts	0.5 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:45	1439	Carbo-FT6
1441			Install guard and secure	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	1440	G Moeseraela,T Moloi,K Gabantogele
1442			Connect motor cables	2 hrs	Mon 24/04/23 12:30	Mon 24/04/23 14:30	1441	EL-Soda1
1443			Install shade	1 hr	Mon 24/04/23 14:30	Mon 24/04/23 15:30	1442	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
1444			Weld the sleeve in position	2 hrs	Mon 24/04/23 15:30	Mon 24/04/23 17:30	1443	M Ramatlhakeng,S Monna
1445			Refill gearbox oil	0.5 hrs	Mon 24/04/23 17:30	Mon 24/04/23 18:00	1444	Carbo-FT6
1446			Reconnect gland service water under the pedestal	0.5 hrs	Tue 25/04/23 07:00	Tue 25/04/23 07:30	1445	Carbo-FT6
1447			Remove decontamination controls	6 hrs	Tue 25/04/23 07:30	Tue 25/04/23 14:00	1446	Nicholas
1448			Close manhole cover	0.5 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:30	1447	M-Crane 100Ton,Carbo-FT6,G Moeseraela,T Moloi,K (
1449			Sign off permit and obtain test permit	0.25 hrs	Tue 25/04/23 14:30	Tue 25/04/23 14:45	1448	Carbo-FT6
1450			Clear the permit	0.25 hrs	Tue 25/04/23 14:45	Tue 25/04/23 15:00	1449	Carbo-FT6
1451		**27A2GK04**	**SECONDARY CARBONATOR GEARBOX AGITATOR - Send input shaft for repairs**	**230.25 hrs**	**Wed 19/04/23 11:30**	**Thu 11/05/23 10:45**		
1452			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1453			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1452	G Kapenda,O Keamogetswe
1454			Carry out risk assessment	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1453	G Kapenda,O Keamogetswe,Rig (Ash) 5
1455			Rig out canopy	0.5 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:15	1454	Rig (Ash) 5
1456			Disconnect motor	0.5 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:45	1455	Elec
1457			Remove coupling guard	0.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 14:15	1456	G Kapenda,O Keamogetswe
1458			Uncouple drive	1 hr	Wed 19/04/23 14:15	Wed 19/04/23 15:15	1457	G Kapenda,O Keamogetswe
1459			Undo motor mounting bolts	1 hr	Wed 19/04/23 15:15	Wed 19/04/23 16:15	1458	G Kapenda,O Keamogetswe
1460			Rig out motor	1 hr	Wed 19/04/23 16:15	Wed 19/04/23 17:15	1459	Rig (Ash) 5
1461			Remove shaft side coupling flange	1 hr	Wed 19/04/23 17:15	Thu 20/04/23 07:15	1460	G Kapenda,O Keamogetswe
1462			Undo input shaft mounting bolts and remove shaft	0.5 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:45	1461	G Kapenda,O Keamogetswe

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1463		Seal gearbox from dust	0.5 hrs	Thu 20/04/23 07:45	Thu 20/04/23 08:15	1462	G Kapenda,O Keamogetswe
1464		Transport input shaft to David Brown	3 days	Sat 22/04/23 08:15	Tue 25/04/23 13:15	1463,8688	Stores
1465		Input shaft repairs	10 days	Tue 25/04/23 13:15	Sat 06/05/23 17:45	1464	David Brown
1466		Transport shaft back to site	3 days	Sat 06/05/23 17:45	Wed 10/05/23 11:15	1465	Stores
1467		Clean dust	0.25 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:30	1466	G Kapenda,O Keamogetswe
1468		Install input shaft onto gearbox	1 hr	Wed 10/05/23 11:30	Wed 10/05/23 13:00	1467	G Kapenda,O Keamogetswe
1469		Install shaft side coupling flange	1 hr	Wed 10/05/23 13:00	Wed 10/05/23 14:00	1468	G Kapenda,O Keamogetswe
1470		Rig in motor	1 hr	Wed 10/05/23 14:00	Wed 10/05/23 15:00	1469	Rig (Ash) 5
1471		Couple drives	1 hr	Wed 10/05/23 15:00	Wed 10/05/23 16:00	1470	G Kapenda,O Keamogetswe
1472		Carry out laser alignment	4 hrs	Wed 10/05/23 16:00	Thu 11/05/23 09:00	1471	G Kapenda,O Keamogetswe
1473		Install coupling guard	0.5 hrs	Thu 11/05/23 09:00	Thu 11/05/23 09:30	1472	G Kapenda,O Keamogetswe
1474		Housekeeping	0.5 hrs	Thu 11/05/23 09:30	Thu 11/05/23 10:00	1473	G Kapenda,O Keamogetswe
1475		Rig in canopy	0.5 hrs	Thu 11/05/23 10:00	Thu 11/05/23 10:30	1474	Rig (Ash) 5
1476		Clear Permit	0.25 hrs	Thu 11/05/23 10:30	Thu 11/05/23 10:45	1475	G Kapenda,O Keamogetswe
1477	**27A2GK01**	**SECONDARY CARBONATOR GEARBOX AGITATOR - Carry Out Inspection**	**10.5 hrs**	**Tue 25/04/23 13:15**	**Wed 26/04/23 13:15**	**1464**	
1478		Lift Oil Drum (Prior)	0 hrs	Tue 25/04/23 13:15	Tue 25/04/23 13:15		M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
1479		Open Covers	1.5 hrs	Tue 25/04/23 13:15	Tue 25/04/23 14:45	1453	G Kapenda,O Keamogetswe
1480		Inspect gears and seal	2.5 hrs	Tue 25/04/23 14:45	Tue 25/04/23 17:15	1479	G Kapenda,O Keamogetswe
1481		Inspect couplings both for gearbox to the motor and gearbox to the sha	2.5 hrs	Tue 25/04/23 17:15	Wed 26/04/23 08:45	1480	G Kapenda,O Keamogetswe
1482		Drain, Flush And Refill Oil (Oil Gen Gear 460)	4 hrs	Wed 26/04/23 08:45	Wed 26/04/23 13:15	1481	G Kapenda,O Keamogetswe
1483	**27A2DF04**	**SECONDARY CARBONATOR TO PRIMARY A - Replace MS bypass line pipes with SS**	**46 hrs**	**Wed 19/04/23 11:30**	**Sun 23/04/23 16:00**		**Tshepo Themba**
1484		Cast pipe support plinths prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		Civils
1485		Install valve support structure prior	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1484	Civils,M Ramatlhakeng,S Monna
1486		Make out permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1485	Operations
1487		Accept permit	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1486	G Kapenda,O Keamogetswe
1488		Remove 2 existing bypass valves and associated spool pieces	4 hrs	Wed 19/04/23 12:45	Wed 19/04/23 16:45	1487	M-Crane 30Ton,G Moeseraela,T Moloi,G Kapenda,O K
1489		Rig valves into place	3.5 hrs	Wed 19/04/23 16:45	Thu 20/04/23 09:15	1488	M-Crane 30Ton,G Moeseraela,T Moloi,G Kapenda,O K
1490		Cut and prep pipes	4 hrs	Thu 20/04/23 09:15	Thu 20/04/23 13:45	1489	M Ramatlhakeng,S Monna
1491		Weld flanges fully	4 hrs	Thu 20/04/23 13:45	Thu 20/04/23 17:45	1490	Weld (Ash)
1492		Secure valve with bolts and nuts	4 hrs	Thu 20/04/23 17:45	Fri 21/04/23 10:45	1491	Fitter
1493		Tighten bolts and nuts	2 hrs	Fri 21/04/23 10:45	Fri 21/04/23 13:15	1492	Fitter
1494		Fabricate actuator support if necessary	6 hrs	Fri 21/04/23 13:15	Sat 22/04/23 08:15	1493	M Ramatlhakeng,S Monna
1495		Install hydraulic hoses and panel system prior	12.5 hrs	Sat 22/04/23 08:15	Sun 23/04/23 10:15	1494	Fitter
1496		Connect and tie in the system to supply	4 hrs	Sun 23/04/23 10:15	Sun 23/04/23 14:45	1495	Fitter
1497		Housekeeping	1 hr	Sun 23/04/23 14:45	Sun 23/04/23 15:45	1496	Fitter
1498		Clear permit	0.25 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:00	1497	Fitter
1499	27A2DF03	SECONDARY CARBONATOR TO PRIMARY B - Replace MS bypass line pipes with SS	12 hrs?	Wed 19/04/23 11:30	Thu 20/04/23 13:30		Tshepo Themba
1500	**27A2DF04**	**SECONDARY CARBONATOR - Repair Fibre Glass Line (Fibre Glass Specialist)**	**13.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 14:45**		
1501		Clean the area(prior)	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1502		Make out permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1501	Operations
1503		Accept permit to work	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1502	G Kapenda,O Keamogetswe
1504		Carry out risk assesment	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00	1503	All Trades

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1505			Support the pipe to be cut with correct lifting gear	0.5 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:30	1504	G Moeseraela,T Moloi,K Gabantogele
1506			Unbolt the clamps securing the pipes(saddle clamps)	0.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 14:00	1505	Contractor,G Kapenda,O Keamogetswe
1507			Cut a section of the pipe to be replaced and remove it using correct lifting gear	1 hr	Wed 19/04/23 14:00	Wed 19/04/23 15:00	1506	Contractor,G Kapenda,O Keamogetswe
1508			Rig a new pipe in position and align with an existing pipe	2 hrs	Wed 19/04/23 15:00	Wed 19/04/23 17:00	1507	G Moeseraela,T Moloi,K Gabantogele
1509			Join and bond the pipes together using the material and chemicals provided	2 hrs	Wed 19/04/23 17:00	Thu 20/04/23 08:00	1508	Contractor,G Kapenda,O Keamogetswe
1510			Allow them to cure	4 hrs	Thu 20/04/23 08:00	Thu 20/04/23 12:00	1509	Contractor,G Kapenda,O Keamogetswe
1511			Lower the pipes on the saddles and secure them	0.5 hrs	Thu 20/04/23 12:30	Thu 20/04/23 13:00	1510	G Moeseraela,T Moloi,K Gabantogele
1512			Remove the lifting gear	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	1511	G Moeseraela,T Moloi,K Gabantogele
1513			Carry out housekeeping	0.25 hrs	Thu 20/04/23 13:15	Thu 20/04/23 13:30	1512	All Trades
1514			Dismantle the scaffolding	1 hr	Thu 20/04/23 13:30	Thu 20/04/23 14:30	1513	G Moeseraela,T Moloi,K Gabantogele
1515			Sign off the permit	0.25 hrs	Thu 20/04/23 14:30	Thu 20/04/23 14:45	1514	Contractor,G Kapenda,O Keamogetswe
1516		**27A2ST01**	**CARBONATOR OFFGAS HEADER - Install hot wash water flushing pipe**	**29.5 hrs**	**Fri 21/04/23 03:00**	**Sun 23/04/23 16:00**	**363**	
1517			Erect scaffolding prior	0 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:00		G Moeseraela,T Moloi
1518			Issue permit	0.25 hrs	Fri 21/04/23 03:00	Fri 21/04/23 03:15	1517	Operations
1519			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	1518	Fitter
1520			Break Flanged joints and remove elbow on Primary B cabonator side	4.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 11:45	1519	Fitter
1521			Rig out elbow	1 hr	Fri 21/04/23 11:45	Fri 21/04/23 13:15	1520	M-Crane 30Ton,G Moeseraela,T Moloi
1522			Rig in T-piece to replace elbow	1 hr	Fri 21/04/23 13:15	Fri 21/04/23 14:15	1521	M-Crane 30Ton,G Moeseraela,T Moloi
1523			Secure T-piece with bolts an nuts	2 hrs	Fri 21/04/23 14:15	Fri 21/04/23 16:15	1522	Fitter
1524			Position 6" SS 316L flushing pipes and secure with bolts and nuts	3 hrs	Fri 21/04/23 16:15	Sat 22/04/23 08:15	1523	Fitter,G Moeseraela,T Moloi
1525			Cut pipes to size where necessary	4 hrs	Sat 22/04/23 08:15	Sat 22/04/23 12:45	1524	M Ramatlhakeng,S Monna
1526			Blank while waiting for fibre glass works	0.5 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:15	1525	Fitter
1527			Cut fibre glass hot wash water supply line to B carbonator and install flanged stub	4 hrs	Sat 22/04/23 13:15	Sat 22/04/23 17:15	1526	Fitter
1528			Allow bond to cure	6 hrs	Sat 22/04/23 17:15	Sun 23/04/23 12:45	1527	Fitter
1529			Join flushing pipes to flanged fibre glass stub after curing	2.5 hrs	Sun 23/04/23 12:45	Sun 23/04/23 15:15	1528	Fitter
1530			Housekeeping	0.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:45	1529	Fitter,M Ramatlhakeng,S Monna
1531			Clear permit	0.25 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:00	1530	Fitter
1532		**27A2ST01**	**CARBONATOR OFFGAS HEADER - Replace fibreglass bend with stainless steel**	**20 hrs**	**Wed 19/04/23 11:30**	**Fri 21/04/23 10:30**		
1533			Erect scaffolding prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		G Moeseraela,T Moloi
1534			Issue permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1533	Operations
1535			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1534	Fitter
1536			Support the pipe to be cut with correct lifting gear	0.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 13:00	1535	G Moeseraela,T Moloi,K Gabantogele
1537			Measure and cut a section of the pipe to be replaced and remove it using correct lifting gear	1 hr	Wed 19/04/23 13:00	Wed 19/04/23 14:00	1536	Contractor,G Kapenda,O Keamogetswe
1538			Install stubs on the cut fibreglass pipes	10 hrs	Wed 19/04/23 14:00	Thu 20/04/23 13:30	1537	Contractor,G Kapenda,O Keamogetswe
1539			Allow them to cure	4 hrs	Thu 20/04/23 13:30	Thu 20/04/23 17:30	1538	Contractor,G Kapenda,O Keamogetswe
1540			Rig a new pipe in stainless steel pipes into position and align with an fibreglass pipe	2 hrs	Thu 20/04/23 17:30	Fri 21/04/23 08:30	1539	G Moeseraela,T Moloi,K Gabantogele
1541			Install gaskets and tighten flanges	2 hrs	Fri 21/04/23 08:30	Fri 21/04/23 10:30	1540	Contractor,G Kapenda,O Keamogetswe
1542			Remove the lifting gear	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		G Moeseraela,T Moloi,K Gabantogele
1543			Housekeeping	0.5 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:45	1542	Fitter,M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1544			Clear permit	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00	1543	Fitter
1545		**27A2DF04**	**SECONDARY CARBONATOR - pH metering system installation**	**34.5 hrs**	**Sun 23/04/23 16:00**	**Thu 27/04/23 08:00**	**1516**	
1546			**Pipe and Elbow Installation Works**	**19 hrs**	**Sun 23/04/23 16:00**	**Tue 25/04/23 14:00**		
1552			**pH metering system inspections**	**11.5 hrs**	**Tue 25/04/23 14:00**	**Wed 26/04/23 15:00**	**1546**	
1559			**Commissioning and Monitoring.**	**4 hrs**	**Wed 26/04/23 15:00**	**Thu 27/04/23 08:00**	**1552**	
1561		**27B2ST01**	**OFF GAS LINE - Replace fibreglass line**	**10.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 11:15**		
1562			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1563			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1562	M Ramatlhakeng,S Monna
1564			Cut and rig out fibreglass pipe	4 hrs	Wed 19/04/23 12:30	Wed 19/04/23 16:30	1563	M-Crane 35Ton,G Moeseraela,T Moloi,M Ramatlhake
1565			Rig in new pipe	2 hrs	Wed 19/04/23 16:30	Thu 20/04/23 07:30	1564	M-Crane 35Ton,G Moeseraela,T Moloi,M Ramatlhake
1566			Align flanges and tighten bolts	3 hrs	Thu 20/04/23 07:30	Thu 20/04/23 10:30	1565	M Ramatlhakeng,S Monna
1567			Housekeeping	0.5 hrs	Thu 20/04/23 10:30	Thu 20/04/23 11:00	1566	M Ramatlhakeng,S Monna
1568			Clear permit	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	1567	M Ramatlhakeng,S Monna
1569		**27A2DF01**	**OFF GAS LINE - Replace Flanges 3 off**	**30 hrs**	**Wed 19/04/23 11:30**	**Sat 22/04/23 10:00**		
1570			Order flanges prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		
1571			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1570	Operations
1572			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1571	M Ramatlhakeng,S Monna
1573			Cut off old flanges	6 hrs	Wed 19/04/23 12:30	Thu 20/04/23 07:30	1572	M Ramatlhakeng,S Monna
1574			Tag weld new flanges	6 hrs	Thu 20/04/23 07:30	Thu 20/04/23 14:00	1573	M Ramatlhakeng,S Monna
1575			Weld flanges	16 hrs	Thu 20/04/23 14:00	Sat 22/04/23 08:30	1574	M Ramatlhakeng,S Monna
1576			Dye pan test	1 hr	Sat 22/04/23 08:30	Sat 22/04/23 09:30	1575	M Ramatlhakeng,S Monna
1577			House keeping	0.25 hrs	Sat 22/04/23 09:30	Sat 22/04/23 09:45	1576	M Ramatlhakeng,S Monna
1578			Clear permit	0.25 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:00	1577	M Ramatlhakeng,S Monna
1579		**27A2FF01**	**OFF GAS SEPARATOR - Replace drain manual valve**	**7.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 08:15**		
1580			Make out permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1581			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1580	G Kapenda,O Keamogetswe
1582			Carry out risk assement	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1581	G Kapenda,O Keamogetswe
1583			Loosen holding bolts	1 hr	Wed 19/04/23 12:45	Wed 19/04/23 13:45	1582	G Kapenda,O Keamogetswe
1584			Remove valve	2 hrs	Wed 19/04/23 13:45	Wed 19/04/23 15:45	1583	G Kapenda,O Keamogetswe
1585			Install new valve	2 hrs	Wed 19/04/23 15:45	Wed 19/04/23 17:45	1584	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
1586			Tighten all bolts	1 hr	Wed 19/04/23 17:45	Thu 20/04/23 07:45	1585	G Kapenda,O Keamogetswe
1587			Housekeeping	0.25 hrs	Thu 20/04/23 07:45	Thu 20/04/23 08:00	1586	G Kapenda,O Keamogetswe
1588			Clear permit	0.25 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:15	1587	G Kapenda,O Keamogetswe
1589		**27A2ST01**	**PLANT STRUCTURES (VALVES) - Replace Inserts 400mm, 5 Off valves**	**12.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 13:45**		
1590			Make out permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1591			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1590	G Kapenda,O Keamogetswe
1592			Carry out risk assement	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1591	G Kapenda,O Keamogetswe
1593			Loosen holding bolts	2 hrs	Wed 19/04/23 12:45	Wed 19/04/23 14:45	1592	G Kapenda,O Keamogetswe
1594			Remove valve	3.5 hrs	Wed 19/04/23 14:45	Thu 20/04/23 07:15	1593	G Kapenda,O Keamogetswe
1595			Install new inserts	3.5 hrs	Thu 20/04/23 07:15	Thu 20/04/23 10:45	1594	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
1596			Tighten all bolts	2 hrs	Thu 20/04/23 10:45	Thu 20/04/23 13:15	1595	G Kapenda,O Keamogetswe
1597			Housekeeping	0.25 hrs	Thu 20/04/23 13:15	Thu 20/04/23 13:30	1596	G Kapenda,O Keamogetswe
1598			Clear permit	0.25 hrs	Thu 20/04/23 13:30	Thu 20/04/23 13:45	1597	G Kapenda,O Keamogetswe
1599		**27A2ST01**	**PLANT STRUCTURE GENERAL - Repair fibreglass pipelines**	**65.5 hrs**	**Wed 19/04/23 11:30**	**Tue 25/04/23 14:30**		
1600			Erect scaffolding prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		G Moeseraela,T Moloi

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1601			Issue permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1600	Operations
1602			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1601	Fitter
1603			Support the pipe to be cut with correct lifting gear	0.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 13:00	1602	G Moeseraela,T Moloi,K Gabantogele
1604			Measure and cut a section of the pipe to be replaced and remove it using correct lifting gear	10 hrs	Wed 19/04/23 13:00	Thu 20/04/23 12:00	1603	Contractor,G Kapenda,O Keamogetswe
1605			Install stubs on the cut fibreglass pipes	20 hrs	Thu 20/04/23 12:30	Sat 22/04/23 11:00	1604	
1606			Allow them to cure	16 hrs	Sat 22/04/23 11:00	Sun 23/04/23 17:00	1605	Contractor,G Kapenda,O Keamogetswe
1607			Rig a new pipe in stainless steel pipes into position and align with an fibreglass pipe	8 hrs	Sun 23/04/23 17:00	Mon 24/04/23 14:30	1606	G Moeseraela,T Moloi,K Gabantogele
1608			Install gaskets and tighten flanges	8 hrs	Mon 24/04/23 14:30	Tue 25/04/23 11:30	1607	Contractor,G Kapenda,O Keamogetswe
1609			Remove the lifting gear	0.25 hrs	Tue 25/04/23 11:30	Tue 25/04/23 11:45	1608	G Moeseraela,T Moloi,K Gabantogele
1610			Housekeeping	2 hrs	Tue 25/04/23 11:45	Tue 25/04/23 14:15	1609	Fitter,M Ramatlhakeng,S Monna
1611			Clear permit	0.25 hrs	Tue 25/04/23 14:15	Tue 25/04/23 14:30	1610	Fitter
1612		**27A2ST01**	**SOFTENED WATER LINE TO CARBONATION - Repair leaks**	**13.25 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 14:45**		
1613			Erect scafolding prior	0 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:30		M Ramatlhakeng,S Monna
1614			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	1613	M Ramatlhakeng,S Monna
1615			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1614	M Ramatlhakeng,S Monna
1616			Grind off existing welds	4 hrs	Wed 19/04/23 12:30	Wed 19/04/23 16:30	1615	M Ramatlhakeng,S Monna
1617			Reweld leaks	6 hrs	Wed 19/04/23 16:30	Thu 20/04/23 11:30	1616	M Ramatlhakeng,S Monna
1618			Dress welds	2 hrs	Thu 20/04/23 11:30	Thu 20/04/23 14:00	1617	M Ramatlhakeng,S Monna
1619			Housekeeping	0.5 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:30	1618	M Ramatlhakeng,S Monna
1620			Clear permit	0.25 hrs	Thu 20/04/23 14:30	Thu 20/04/23 14:45	1619	M Ramatlhakeng,S Monna
1621			Dismantle scaffolding	0 hrs	Thu 20/04/23 14:45	Thu 20/04/23 14:45	1620	M Ramatlhakeng,S Monna
1622			PLANT STRUCTURE - Replace T-Brine lines to A & B	12 hrs?	Mon 17/04/23 07:00	Tue 18/04/23 08:30		Tshepo Themba
1623			**ELECTRICAL**	**124.21 hrs**	**Wed 19/04/23 11:30**	**Mon 01/05/23 09:43**	**784**	
1624		**27B2GA04**	**PRE-CARBONATOR FEED PUMP A - Carry out general electrical inspections**	**17.5 hrs**	**Mon 24/04/23 10:58**	**Wed 26/04/23 07:28**	**785SS+4.3 days**	
1625			Make Out Permit	0.25 hrs	Mon 24/04/23 10:58	Mon 24/04/23 11:13		Operations
1626			Accept Permit	0.25 hrs	Mon 24/04/23 11:13	Mon 24/04/23 11:28	1625	Ash-Elec1,Ash-SSElec1
1627			Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 11:28	Mon 24/04/23 11:43	1626	Ash-Elec1,Ash-SSElec1
1628			Disconnect motor and Stop/Start cables	2.5 hrs	Mon 24/04/23 11:43	Mon 24/04/23 14:43	1627	Ash-Elec1,Ash-SSElec1
1629			prepare cable racks	1 hr	Mon 24/04/23 14:43	Mon 24/04/23 15:43	1628	Ash-Elec1,Ash-SSElec1
1630			Relocate cable rack	4 hrs	Mon 24/04/23 15:43	Tue 25/04/23 08:43	1629	M Ramatlhakeng,S Monna
1631			Relocate Stop/Start boxes	4 hrs	Tue 25/04/23 08:43	Tue 25/04/23 13:13	1630	M Ramatlhakeng,S Monna
1632			Reconnect motor and Stop/Start cables	2.5 hrs	Tue 25/04/23 13:13	Tue 25/04/23 15:43	1631	Ash-Elec1,Ash-SSElec1
1633			Check Loose Connections In The Panel	0.25 hrs	Tue 25/04/23 15:43	Tue 25/04/23 15:58	1632	Ash-Elec1,Ash-SSElec1
1634			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Tue 25/04/23 15:58	Tue 25/04/23 16:13	1633	Ash-Elec1,Ash-SSElec1
1635			Confirm Correct Setting Of Protections	0.25 hrs	Tue 25/04/23 16:13	Tue 25/04/23 16:28	1634	Ash-Elec1,Ash-SSElec1
1636			Service Stop/Start	0.5 hrs	Tue 25/04/23 16:28	Tue 25/04/23 16:58	1635	Ash-Elec1,Ash-SSElec1
1637			Check Motor Fan Condition	0.5 hrs	Tue 25/04/23 16:58	Tue 25/04/23 17:28	1636	Ash-Elec1,Ash-SSElec1
1638			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 25/04/23 17:28	Tue 25/04/23 17:43	1637	Ash-Elec1,Ash-SSElec1
1639			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 25/04/23 17:43	Tue 25/04/23 17:58	1638	Ash-Elec1,Ash-SSElec1
1640			Seal For Moisture And Dust.	0.25 hrs	Tue 25/04/23 17:58	Wed 26/04/23 07:13	1639	Ash-Elec1,Ash-SSElec1
1641			Clear Permit	0.25 hrs	Wed 26/04/23 07:13	Wed 26/04/23 07:28	1640	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1642		**27B2GA04**	**PRE-CARBONATOR FEED PUMP B - Carry out general electrical inspections**	**17.5 hrs**	**Wed 26/04/23 07:28**	**Thu 27/04/23 14:58**	**1624**	
1643			Make Out Permit	0.25 hrs	Wed 26/04/23 07:28	Wed 26/04/23 07:43		Operations
1644			Accept Permit	0.25 hrs	Wed 26/04/23 07:43	Wed 26/04/23 07:58	1643	Ash-Elec1,Ash-SSElec1
1645			Carry Out Electrical Isolation	0.25 hrs	Wed 26/04/23 07:58	Wed 26/04/23 08:13	1644	Ash-Elec1,Ash-SSElec1
1646			Disconnect motor and Stop/Start cables	2.5 hrs	Wed 26/04/23 08:13	Wed 26/04/23 10:43	1645	Ash-Elec1,Ash-SSElec1
1647			prepare cable racks	1 hr	Wed 26/04/23 10:43	Wed 26/04/23 11:43	1646	Ash-Elec1,Ash-SSElec1
1648			Relocate cable rack	4 hrs	Wed 26/04/23 11:43	Wed 26/04/23 16:13	1647	M Ramatlhakeng,S Monna
1649			Relocate Stop/Start boxes	4 hrs	Wed 26/04/23 16:13	Thu 27/04/23 09:13	1648	M Ramatlhakeng,S Monna
1650			Reconnect motor and Stop/Start cables	2.5 hrs	Thu 27/04/23 09:13	Thu 27/04/23 11:43	1649	Ash-Elec1,Ash-SSElec1
1651			Check Loose Connections In The Panel	0.25 hrs	Thu 27/04/23 11:43	Thu 27/04/23 11:58	1650	Ash-Elec1,Ash-SSElec1
1652			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 27/04/23 11:58	Thu 27/04/23 12:43	1651	Ash-Elec1,Ash-SSElec1
1653			Confirm Correct Setting Of Protections	0.25 hrs	Thu 27/04/23 12:43	Thu 27/04/23 12:58	1652	Ash-Elec1,Ash-SSElec1
1654			Service Stop/Start	0.5 hrs	Thu 27/04/23 12:58	Thu 27/04/23 13:28	1653	Ash-Elec1,Ash-SSElec1
1655			Check Motor Fan Condition	0.5 hrs	Thu 27/04/23 13:28	Thu 27/04/23 13:58	1654	Ash-Elec1,Ash-SSElec1
1656			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 27/04/23 13:58	Thu 27/04/23 14:13	1655	Ash-Elec1,Ash-SSElec1
1657			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 27/04/23 14:13	Thu 27/04/23 14:28	1656	Ash-Elec1,Ash-SSElec1
1658			Seal For Moisture And Dust.	0.25 hrs	Thu 27/04/23 14:28	Thu 27/04/23 14:43	1657	Ash-Elec1,Ash-SSElec1
1659			Clear Permit	0.25 hrs	Thu 27/04/23 14:43	Thu 27/04/23 14:58	1658	Ash-Elec1,Ash-SSElec1
1660		**27A2GK01**	**PRE-CARBONATOR AGITATOR - Carry out general electrical inspections**	**9 hrs**	**Thu 27/04/23 14:58**	**Fri 28/04/23 13:28**	**1642**	
1661			Make Out Permit	0.25 hrs	Thu 27/04/23 14:58	Thu 27/04/23 15:13		Operations
1662			Accept Permit	0.25 hrs	Thu 27/04/23 15:13	Thu 27/04/23 15:28	1661	Ash-Elec1,Ash-SSElec1
1663			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Thu 27/04/23 15:28	Thu 27/04/23 15:43	1662	Ash-Elec1,Ash-SSElec1
1664			Carry Out Electrical Isolation	0.25 hrs	Thu 27/04/23 15:43	Thu 27/04/23 15:58	1663	Ash-Elec1,Ash-SSElec1
1665			Disconnect motor and send for repairs	2 hrs	Thu 27/04/23 15:58	Thu 27/04/23 17:58	1664	Ash-Elec1,Ash-SSElec1
1666			Replace stop/start with stainless steel	1 hr	Thu 27/04/23 17:58	Fri 28/04/23 07:58	1665	Ash-Elec1,Ash-SSElec1
1667			Service Stop/Start	0.25 hrs	Fri 28/04/23 07:58	Fri 28/04/23 08:13	1666	Ash-Elec1,Ash-SSElec1
1668			Confirm Correct Setting Of Protections	0.25 hrs	Fri 28/04/23 08:13	Fri 28/04/23 08:28	1667	Ash-Elec1,Ash-SSElec1
1669			Check Cable Terminal Leads For Over Heating	0.5 hrs	Fri 28/04/23 08:28	Fri 28/04/23 08:58	1668	Ash-Elec1,Ash-SSElec1
1670			Install motor	2 hrs	Fri 28/04/23 08:58	Fri 28/04/23 10:58	1669	Fit,M-Crane 30Ton,Ash-Elec1,Ash-SSElec1,G Moesera
1671			Connect motor	1.5 hrs	Fri 28/04/23 10:58	Fri 28/04/23 12:58	1670	Ash-Elec1,Ash-SSElec1
1672			Seal For Moisture And Dust.	0.25 hrs	Fri 28/04/23 12:58	Fri 28/04/23 13:13	1671	Ash-Elec1,Ash-SSElec1
1673			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Fri 28/04/23 13:13	Fri 28/04/23 13:28	1672	Ash-Elec1,Ash-SSElec1
1674		**27A2GK01**	**# 1 PRIMARY CARBONATOR AGITATOR A - Carry out general electrical inspections**	**12.5 hrs**	**Fri 28/04/23 13:28**	**Sat 29/04/23 15:28**	**1660**	
1675			Make Out Permit	0.25 hrs	Fri 28/04/23 13:28	Fri 28/04/23 13:43		Operations
1676			Accept Permit	0.25 hrs	Fri 28/04/23 13:43	Fri 28/04/23 13:58	1675	Ash-Elec1,Ash-SSElec1
1677			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Fri 28/04/23 13:58	Fri 28/04/23 14:13	1676	Ash-Elec1,Ash-SSElec1
1678			Carry Out Electrical Isolation	0.25 hrs	Fri 28/04/23 14:13	Fri 28/04/23 14:28	1677	Ash-Elec1,Ash-SSElec1
1679			Disconnect auxilliary lube oil pump	1.5 hrs	Fri 28/04/23 14:28	Fri 28/04/23 15:58	1678	Ash-Elec1,Ash-SSElec1
1680			Remove motor and send for repair	4 hrs	Fri 28/04/23 15:58	Sat 29/04/23 08:58	1679	Ash-Elec1,Ash-SSElec1
1681			Paint pump assembly	2 hrs	Sat 29/04/23 08:58	Sat 29/04/23 10:58	1680	Painter 1
1682			Allow to cure	4 hrs	Sat 29/04/23 10:58	Sat 29/04/23 15:28	1681	
1683			Troubleshoot frequent stopping with no alarm	4 hrs	Fri 28/04/23 14:28	Sat 29/04/23 07:28	1678	Inst (Ash),Tebogo,Ash-Elec1,Ash-SSElec1
1684			Service Stop/Start	0.25 hrs	Sat 29/04/23 07:28	Sat 29/04/23 07:43	1683	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1685			Replace stainless steel box	1 hr	Sat 29/04/23 07:43	Sat 29/04/23 08:43	1684	Ash-Elec1,Ash-SSElec1
1686			Check Motor Fan Condition & Terminal Connections	0.25 hrs	Sat 29/04/23 08:43	Sat 29/04/23 08:58	1685	Ash-Elec1,Ash-SSElec1
1687			Confirm Correct Setting Of Protections	0.25 hrs	Sat 29/04/23 08:58	Sat 29/04/23 09:13	1686	Ash-Elec1,Ash-SSElec1
1688			Check Cable Terminal Leads For Over Heating	0.5 hrs	Sat 29/04/23 09:13	Sat 29/04/23 09:43	1687	Ash-Elec1,Ash-SSElec1
1689			Service Auxiliary Drive Panel & Motor	1 hr	Sat 29/04/23 09:43	Sat 29/04/23 10:43	1688	Ash-Elec1,Ash-SSElec1
1690			Confirm Auxiliary Drive Protections Setting	0.25 hrs	Sat 29/04/23 10:43	Sat 29/04/23 10:58	1689	Ash-Elec1,Ash-SSElec1
1691			Install motor	2 hrs	Fri 28/04/23 13:28	Fri 28/04/23 15:28		Fit,M-Crane 30Ton,Ash-Elec1,Ash-SSElec1,G Moeserae
1692			Connect motor	1.5 hrs	Fri 28/04/23 15:28	Fri 28/04/23 16:58	1691	Ash-Elec1,Ash-SSElec1
1693			Seal For Moisture And Dust.	0.25 hrs	Sat 29/04/23 10:58	Sat 29/04/23 11:13	1690	Ash-Elec1,Ash-SSElec1
1694			Ensure circuit breaker spring charging circuit is working	2.5 hrs	Fri 28/04/23 13:28	Fri 28/04/23 15:58	1764	Ash-Elec1,Ash-SSElec1
1695			Confirm charging circuit operation	0.5 hrs	Fri 28/04/23 15:58	Fri 28/04/23 16:28	1694	Ash-Elec1,Ash-SSElec1
1696			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Fri 28/04/23 13:28	Fri 28/04/23 13:43		Ash-Elec1,Ash-SSElec1
1697		**27A2GK01**	**# 2 PRIMARY CARBONATOR AGITATOR B - Carry out general electrical inspections**	**7.75 hrs**	**Sat 29/04/23 15:28**	**Sun 30/04/23 12:43**	**1674**	
1698			Make Out Permit	0.25 hrs	Sat 29/04/23 15:28	Sat 29/04/23 15:43		Operations
1699			Accept Permit	0.25 hrs	Sat 29/04/23 15:43	Sat 29/04/23 15:58	1698	Ash-Elec1,Ash-SSElec1
1700			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Sat 29/04/23 15:58	Sat 29/04/23 16:13	1699	Ash-Elec1,Ash-SSElec1
1701			Carry Out Electrical Isolation	0.25 hrs	Sat 29/04/23 16:13	Sat 29/04/23 16:28	1700	Ash-Elec1,Ash-SSElec1
1702			Disconnect auxilliary lube oil pump	1.5 hrs	Sat 29/04/23 15:28	Sat 29/04/23 16:58	1678	Ash-Elec1,Ash-SSElec1
1703			Remove motor and send for repair	4 hrs	Sat 29/04/23 15:28	Sun 30/04/23 08:28	1679	Ash-Elec1,Ash-SSElec1
1704			Paint pump assembly	2 hrs	Sat 29/04/23 16:58	Sun 30/04/23 07:58	1702	Painter 1
1705			Curing time	4 hrs	Sun 30/04/23 07:58	Sun 30/04/23 11:58	1704	
1706			Troubleshoot frequent stopping with no alarm	4 hrs	Sat 29/04/23 16:28	Sun 30/04/23 09:28	1701	Inst (Ash),Tebogo,Ash-Elec1,Ash-SSElec1
1707			Service Stop/Start	0.25 hrs	Sun 30/04/23 09:28	Sun 30/04/23 09:43	1706	Ash-Elec1,Ash-SSElec1
1708			Check Motor Fan Condition & Terminal Connections	0.25 hrs	Sun 30/04/23 09:43	Sun 30/04/23 09:58	1707	Ash-Elec1,Ash-SSElec1
1709			Confirm Correct Setting Of Protections	0.25 hrs	Sun 30/04/23 09:58	Sun 30/04/23 10:13	1708	Ash-Elec1,Ash-SSElec1
1710			Check Cable Terminal Leads For Over Heating	0.5 hrs	Sun 30/04/23 10:13	Sun 30/04/23 10:43	1709	Ash-Elec1,Ash-SSElec1
1711			Service Auxiliary Drive Panel & Motor	1 hr	Sun 30/04/23 10:43	Sun 30/04/23 11:43	1710	Ash-Elec1,Ash-SSElec1
1712			Confirm Auxiliary Drive Protections Setting	0.25 hrs	Sun 30/04/23 11:43	Sun 30/04/23 11:58	1711	Ash-Elec1,Ash-SSElec1
1713			Install motor	2 hrs	Sat 29/04/23 15:28	Sat 29/04/23 17:28		Fit,M-Crane 30Ton,Ash-Elec1,Ash-SSElec1,G Moeserae
1714			Connect motor	1.5 hrs	Sat 29/04/23 17:28	Sun 30/04/23 07:58	1713	Ash-Elec1,Ash-SSElec1
1715			Seal For Moisture And Dust.	0.25 hrs	Sun 30/04/23 11:58	Sun 30/04/23 12:43	1712	Ash-Elec1,Ash-SSElec1
1716			Ensure circuit breaker spring charging circuit is working	2.5 hrs	Sat 29/04/23 15:28	Sat 29/04/23 17:58	1764	Ash-Elec1,Ash-SSElec1
1717			Confirm charging circuit operation	0.5 hrs	Sat 29/04/23 17:58	Sun 30/04/23 07:28	1716	Ash-Elec1,Ash-SSElec1
1718			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Sat 29/04/23 15:28	Sat 29/04/23 15:43		Ash-Elec1,Ash-SSElec1
1719		**27A2GA01**	**# A PRIMARY CARBONATOR FEED PUMP - Carry out general electrical inspections**	**4.5 hrs**	**Sun 30/04/23 12:43**	**Sun 30/04/23 17:13**	**1697**	
1720			Make Out Permit	0.25 hrs	Sun 30/04/23 12:43	Sun 30/04/23 12:58		Operations
1721			Accept Permit	0.25 hrs	Sun 30/04/23 12:58	Sun 30/04/23 13:13	1720	Ash-Elec1,Ash-SSElec1
1722			Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 13:13	Sun 30/04/23 13:28	1721	Ash-Elec1,Ash-SSElec1
1723			Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 13:28	Sun 30/04/23 13:43	1722	Ash-Elec1,Ash-SSElec1
1724			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sun 30/04/23 13:43	Sun 30/04/23 13:58	1723	Ash-Elec1,Ash-SSElec1
1725			Confirm Correct Setting Of Protections	0.25 hrs	Sun 30/04/23 13:58	Sun 30/04/23 14:13	1724	Ash-Elec1,Ash-SSElec1
1726			Replace stop/start box with stainless steel	1 hr	Sun 30/04/23 14:13	Sun 30/04/23 15:13	1725	Ash-Elec1,Ash-SSElec1
1727			Service Stop/Start	0.5 hrs	Sun 30/04/23 15:13	Sun 30/04/23 15:43	1726	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1728			Check Motor Fan Condition	0.5 hrs	Sun 30/04/23 15:43	Sun 30/04/23 16:13	1727	Ash-Elec1,Ash-SSElec1
1729			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 30/04/23 16:13	Sun 30/04/23 16:28	1728	Ash-Elec1,Ash-SSElec1
1730			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 30/04/23 16:28	Sun 30/04/23 16:43	1729	Ash-Elec1,Ash-SSElec1
1731			Seal For Moisture And Dust.	0.25 hrs	Sun 30/04/23 16:43	Sun 30/04/23 16:58	1730	Ash-Elec1,Ash-SSElec1
1732			Clear Permit	0.25 hrs	Sun 30/04/23 16:58	Sun 30/04/23 17:13	1731	Ash-Elec1,Ash-SSElec1
1733		**27A2GA01**	**# B PRIMARY CARBONATOR FEED PUMP - Carry out general electrical inspections**	**3.5 hrs**	**Sun 30/04/23 17:13**	**Mon 01/05/23 09:43**	**1719**	
1734			Make Out Permit	0.25 hrs	Sun 30/04/23 17:13	Sun 30/04/23 17:28		Operations
1735			Accept Permit	0.25 hrs	Sun 30/04/23 17:28	Sun 30/04/23 17:43	1734	Ash-Elec1,Ash-SSElec1
1736			Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 17:43	Sun 30/04/23 17:58	1735	Ash-Elec1,Ash-SSElec1
1737			Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 17:58	Mon 01/05/23 07:13	1736	Ash-Elec1,Ash-SSElec1
1738			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Mon 01/05/23 07:13	Mon 01/05/23 07:28	1737	Ash-Elec1,Ash-SSElec1
1739			Confirm Correct Setting Of Protections	0.25 hrs	Mon 01/05/23 07:28	Mon 01/05/23 07:43	1738	Ash-Elec1,Ash-SSElec1
1740			Service Stop/Start	0.5 hrs	Mon 01/05/23 07:43	Mon 01/05/23 08:13	1739	Ash-Elec1,Ash-SSElec1
1741			Check Motor Fan Condition	0.5 hrs	Mon 01/05/23 08:13	Mon 01/05/23 08:43	1740	Ash-Elec1,Ash-SSElec1
1742			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 01/05/23 08:43	Mon 01/05/23 08:58	1741	Ash-Elec1,Ash-SSElec1
1743			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 01/05/23 08:58	Mon 01/05/23 09:13	1742	Ash-Elec1,Ash-SSElec1
1744			Seal For Moisture And Dust.	0.25 hrs	Mon 01/05/23 09:13	Mon 01/05/23 09:28	1743	Ash-Elec1,Ash-SSElec1
1745			Clear Permit	0.25 hrs	Mon 01/05/23 09:28	Mon 01/05/23 09:43	1744	Ash-Elec1,Ash-SSElec1
1746		**27A2GK04**	**SECONDARY CARBONATOR AGITATOR - Carry out general electrical inspections**	**111.71 hrs**	**Wed 19/04/23 11:30**	**Sun 30/04/23 07:43**		
1747			Make Out Permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1748			Accept Permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1747	Ash-Elec1,Ash-SSElec1
1749			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	1748	Ash-Elec1,Ash-SSElec1
1750			Carry Out Electrical Isolation	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00	1749	Ash-Elec1,Ash-SSElec1
1751			Disconnect auxilliary lube oil pump	1.5 hrs	Wed 19/04/23 13:00	Wed 19/04/23 14:30	1750	Ash-Elec1,Ash-SSElec1
1752			Remove and send motor for repairs	4 hrs	Wed 19/04/23 14:30	Thu 20/04/23 07:30	1751	Ash-Elec1,Ash-SSElec1
1753			Paint pump assembly	2 hrs	Thu 20/04/23 07:30	Thu 20/04/23 09:30	1752	Painter 1
1754			Curing time	4 hrs	Thu 20/04/23 09:30	Thu 20/04/23 14:00	1753	
1755			Troubleshoot frequent stopping with no alarm	4 hrs	Wed 19/04/23 13:00	Wed 19/04/23 17:00	1750	Inst (Ash),Tebogo,Ash-Elec1,Ash-SSElec1
1756			Service Stop/Start	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	1755	Ash-Elec1,Ash-SSElec1
1757			Check Motor Fan Condition & Terminal Connections	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	1756	Ash-Elec1,Ash-SSElec1
1758			Confirm Correct Setting Of Protections	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45	1757	Ash-Elec1,Ash-SSElec1
1759			Check Cable Terminal Leads For Over Heating	0.5 hrs	Wed 19/04/23 17:45	Thu 20/04/23 07:15	1758	Ash-Elec1,Ash-SSElec1
1760			Service Auxiliary Drive Panel & Motor	1 hr	Thu 20/04/23 07:15	Thu 20/04/23 08:15	1759	Ash-Elec1,Ash-SSElec1
1761			Confirm Auxiliary Drive Protections Setting	0.25 hrs	Thu 20/04/23 08:15	Thu 20/04/23 08:30	1760	Ash-Elec1,Ash-SSElec1
1762			Install motor	2 hrs	Wed 19/04/23 11:30	Wed 19/04/23 14:00		Fit,M-Crane 30Ton,Ash-Elec1,Ash-SSElec1,G Moesera
1763			Connect motor	1.5 hrs	Wed 19/04/23 14:00	Wed 19/04/23 15:30	1762	Ash-Elec1,Ash-SSElec1
1764			Seal For Moisture And Dust.	0.25 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:45	1761	Ash-Elec1,Ash-SSElec1
1765			Ensure circuit breaker spring charging circuit is working	2.5 hrs	Thu 20/04/23 08:45	Thu 20/04/23 11:15	1764	Ash-Elec1,Ash-SSElec1
1766			Confirm charging circuit operation	0.5 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:45	1765	Ash-Elec1,Ash-SSElec1
1767			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Sun 30/04/23 07:28	Sun 30/04/23 07:43	1695,1717,	Ash-Elec1,Ash-SSElec1
1768			**INSTRUMENTATION**	**166.25 hrs**	**Wed 19/04/23 11:30**	**Fri 05/05/23 09:45**	**784**	
1769		**27PC001**	**CONDENSATE RETURN FROM SALT PLANT - overhaul valve**	**16.75 hrs**	**Tue 25/04/23 14:30**	**Thu 27/04/23 09:45**	**609**	
1770			Make out permit	0.25 hrs	Tue 25/04/23 14:30	Tue 25/04/23 14:45		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1771			Accept permit	0.25 hrs	Tue 25/04/23 14:45	Tue 25/04/23 15:00	1770	Ash-Inst1,SS-Ash-Ins1
1772			Disconnect instruments	1 hr	Tue 25/04/23 15:00	Tue 25/04/23 16:00	1771	Ash-Inst1,SS-Ash-Ins1
1773			Remove valve	5 hrs	Tue 25/04/23 16:00	Wed 26/04/23 10:00	1772	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1774			Overhaul valve	6 hrs	Wed 26/04/23 10:00	Wed 26/04/23 16:30	1773	Ash-Inst1,SS-Ash-Ins1
1775			Install valve	3.75 hrs	Wed 26/04/23 16:30	Thu 27/04/23 09:15	1774	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1776			Stroke check valve	0.25 hrs	Thu 27/04/23 09:15	Thu 27/04/23 09:30	1775	Ash-Inst1,SS-Ash-Ins1
1777			Clear permit	0.25 hrs	Thu 27/04/23 09:30	Thu 27/04/23 09:45	1776	Ash-Inst1,SS-Ash-Ins1
1778		**27PC014B**	**OFF-GAS VALVE - overhaul valve**	**11 hrs**	**Thu 27/04/23 09:45**	**Fri 28/04/23 10:15**	**1769**	
1779			Make out permit	0.25 hrs	Thu 27/04/23 09:45	Thu 27/04/23 10:00		Operations
1780			Accept permit	0.25 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:15	1779	Ash-Inst1,SS-Ash-Ins1
1781			Disconnect instruments	1 hr	Thu 27/04/23 10:15	Thu 27/04/23 11:15	1780	Ash-Inst1,SS-Ash-Ins1
1782			Remove valve	3 hrs	Thu 27/04/23 11:15	Thu 27/04/23 14:45	1781	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1783			Overhaul valve	3 hrs	Thu 27/04/23 14:45	Thu 27/04/23 17:45	1782	Aveng,Ash-Inst1,SS-Ash-Ins1
1784			Install valve	3 hrs	Thu 27/04/23 17:45	Fri 28/04/23 09:45	1783	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1785			Stroke check valve	0.25 hrs	Fri 28/04/23 09:45	Fri 28/04/23 10:00	1784	Ash-Inst1,SS-Ash-Ins1
1786			Clear permit	0.25 hrs	Fri 28/04/23 10:00	Fri 28/04/23 10:15	1785	Ash-Inst1,SS-Ash-Ins1
1787		**27PC014C**	**OFF-GAS VALVE - overhaul valve**	**11 hrs**	**Fri 28/04/23 10:15**	**Sat 29/04/23 10:45**	**1778**	
1788			Make out permit	0.25 hrs	Fri 28/04/23 10:15	Fri 28/04/23 10:30		Operations
1789			Accept permit	0.25 hrs	Fri 28/04/23 10:30	Fri 28/04/23 10:45	1788	Ash-Inst1,SS-Ash-Ins1
1790			Disconnect instruments	1 hr	Fri 28/04/23 10:45	Fri 28/04/23 11:45	1789	Ash-Inst1,SS-Ash-Ins1
1791			Remove valve	3 hrs	Fri 28/04/23 11:45	Fri 28/04/23 15:15	1790	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1792			Overhaul valve	3 hrs	Fri 28/04/23 15:15	Sat 29/04/23 07:15	1791	Aveng,Ash-Inst1,SS-Ash-Ins1
1793			Install valve	3 hrs	Sat 29/04/23 07:15	Sat 29/04/23 10:15	1792	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1794			Stroke check valve	0.25 hrs	Sat 29/04/23 10:15	Sat 29/04/23 10:30	1793	Ash-Inst1,SS-Ash-Ins1
1795			Clear permit	0.25 hrs	Sat 29/04/23 10:30	Sat 29/04/23 10:45	1794	Ash-Inst1,SS-Ash-Ins1
1796		**27LC007**	**CARBO FEED LEVEL CONTROL - Replace valve**	**4.25 hrs**	**Sat 29/04/23 10:45**	**Sat 29/04/23 15:30**	**1787**	
1797			Make out permit	0.25 hrs	Sat 29/04/23 10:45	Sat 29/04/23 11:00		Operations
1798			Accept permit	0.25 hrs	Sat 29/04/23 11:00	Sat 29/04/23 11:15	1797	Ash-Inst1,SS-Ash-Ins1
1799			Replace valve	2 hrs	Sat 29/04/23 11:15	Sat 29/04/23 13:45	1798	Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Moloi,K Gabant
1800			Calibrate valve	1 hr	Sat 29/04/23 13:45	Sat 29/04/23 14:45	1799	Ash-Inst1,SS-Ash-Ins1
1801			Stroke check valve	0.5 hrs	Sat 29/04/23 14:45	Sat 29/04/23 15:15	1800	Ash-Inst1,SS-Ash-Ins1
1802			Clear permit	0.25 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:30	1801	Ash-Inst1,SS-Ash-Ins1
1803		**27PC006**	**PRIMARY CARBONATOR A PRESSRE VALVE - remove & overhaul**	**11 hrs**	**Sat 29/04/23 15:30**	**Sun 30/04/23 16:00**	**1796**	
1804			Make out permit	0.25 hrs	Sat 29/04/23 15:30	Sat 29/04/23 15:45		Operations
1805			Accept permit	0.25 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:00	1804	Ash-Inst1,SS-Ash-Ins1
1806			Disconnect instruments	1 hr	Sat 29/04/23 16:00	Sat 29/04/23 17:00	1805	Ash-Inst1,SS-Ash-Ins1
1807			Remove valve	2 hrs	Sat 29/04/23 17:00	Sun 30/04/23 08:00	1806	RSC Scaffolding,Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G M
1808			Overhaul valve	3 hrs	Sun 30/04/23 08:00	Sun 30/04/23 11:00	1807	Ash-Inst1,SS-Ash-Ins1
1809			Install valve	4 hrs	Sun 30/04/23 11:00	Sun 30/04/23 15:30	1808	RSC Scaffolding,Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G M
1810			Stroke check valve	0.25 hrs	Sun 30/04/23 15:30	Sun 30/04/23 15:45	1809	Ash-Inst1,SS-Ash-Ins1
1811			Clear permit	0.25 hrs	Sun 30/04/23 15:45	Sun 30/04/23 16:00	1810	Ash-Inst1,SS-Ash-Ins1
1812		**27PC008**	**PRIMARY CARBONATOR B PRESSURE VALVE - Remove & overhaul**	**9.75 hrs**	**Sun 30/04/23 16:00**	**Mon 01/05/23 15:15**	**1803**	
1813			Make out permit	0.25 hrs	Sun 30/04/23 16:00	Sun 30/04/23 16:15		Operations
1814			Accept permit	0.25 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:30	1813	Ash-Inst1,SS-Ash-Ins1
1815			Disconnect instruments	1 hr	Sun 30/04/23 16:30	Sun 30/04/23 17:30	1814	Ash-Inst1,SS-Ash-Ins1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1816			Remove valve	2 hrs	Sun 30/04/23 17:30	Mon 01/05/23 08:30	1815	RSC Scaffolding,Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G M
1817			Overhaul valve	3 hrs	Mon 01/05/23 08:30	Mon 01/05/23 11:30	1816	Ash-Inst1,SS-Ash-Ins1
1818			Install valve	2.75 hrs	Mon 01/05/23 11:30	Mon 01/05/23 14:45	1817	RSC Scaffolding,Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G M
1819			Stroke check valve	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	1818	Ash-Inst1,SS-Ash-Ins1
1820			Clear permit	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15	1819	Ash-Inst1,SS-Ash-Ins1
1821		**27PC010**	**SECONDARY CARBONATOR PRESSURE VALVE - Remove & overhaul**	**9 hrs**	**Mon 01/05/23 15:15**	**Tue 02/05/23 13:45**	**1812**	
1822			Make out permit	0.25 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:30		Operations
1823			Accept permit	0.25 hrs	Mon 01/05/23 15:30	Mon 01/05/23 15:45	1822	Ash-Inst1,SS-Ash-Ins1
1824			Disconnect instruments	1 hr	Mon 01/05/23 15:45	Mon 01/05/23 16:45	1823	Ash-Inst1,SS-Ash-Ins1
1825			Remove valve	2 hrs	Mon 01/05/23 16:45	Tue 02/05/23 07:45	1824	RSC Scaffolding,Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G M
1826			Overhaul valve	3 hrs	Tue 02/05/23 07:45	Tue 02/05/23 10:45	1825	Ash-Inst1,SS-Ash-Ins1
1827			Install valve	2 hrs	Tue 02/05/23 10:45	Tue 02/05/23 13:15	1826	RSC Scaffolding,Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G M
1828			Stroke check valve	0.25 hrs	Tue 02/05/23 13:15	Tue 02/05/23 13:30	1827	Ash-Inst1,SS-Ash-Ins1
1829			Clear permit	0.25 hrs	Tue 02/05/23 13:30	Tue 02/05/23 13:45	1828	Ash-Inst1,SS-Ash-Ins1
1830		**27FC004**	**T-BRINE FLOW TO PRIMARY A - Inspect valve**	**8 hrs**	**Tue 02/05/23 13:45**	**Wed 03/05/23 10:45**	**1821**	
1831			Make out permit	0.25 hrs	Tue 02/05/23 13:45	Tue 02/05/23 14:00		Operations
1832			Accept permit	0.25 hrs	Tue 02/05/23 14:00	Tue 02/05/23 14:15	1831	Ash-Inst1,SS-Ash-Ins1
1833			Disconnect instruments	1 hr	Tue 02/05/23 14:15	Tue 02/05/23 15:15	1832	Ash-Inst1,SS-Ash-Ins1
1834			Remove valve	2 hrs	Tue 02/05/23 15:15	Tue 02/05/23 17:15	1833	Carbo-FT1,Ash-Inst1,SS-Ash-Ins1,Carbo-SSFT3,G Moes
1835			Inspect valve	2 hrs	Tue 02/05/23 17:15	Wed 03/05/23 08:15	1834	Carbo-FT1,Ash-Inst1,SS-Ash-Ins1,Carbo-SSFT3
1836			Install valve	2 hrs	Wed 03/05/23 08:15	Wed 03/05/23 10:15	1835	Carbo-FT1,SCarbo-SSFT3,Ash-Inst1,SS-Ash-Ins1,G Moe
1837			Stroke check valve	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	1836	Ash-Inst1,SS-Ash-Ins1
1838			Clear permit	0.25 hrs	Wed 03/05/23 10:30	Wed 03/05/23 10:45	1837	Ash-Inst1,SS-Ash-Ins1
1839		**27FC005**	**T-BRINE FLOW TO PRIMARY B - Inspect valve**	**10 hrs**	**Wed 03/05/23 10:45**	**Thu 04/05/23 10:15**	**1830**	
1840			Make out permit	0.25 hrs	Wed 03/05/23 10:45	Wed 03/05/23 11:00		Operations
1841			Accept permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15	1840	Ash-Inst1,SS-Ash-Ins1
1842			Disconnect instruments	1 hr	Wed 03/05/23 11:15	Wed 03/05/23 12:45	1841	Ash-Inst1,SS-Ash-Ins1
1843			Remove valve	3 hrs	Wed 03/05/23 12:45	Wed 03/05/23 15:45	1842	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1844			Inspect valve	3 hrs	Wed 03/05/23 15:45	Thu 04/05/23 07:45	1843	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1
1845			Install valve	2 hrs	Thu 04/05/23 07:45	Thu 04/05/23 09:45	1844	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1846			Stroke check valve	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	1845	Ash-Inst1,SS-Ash-Ins1
1847			Clear permit	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	1846	Ash-Inst1,SS-Ash-Ins1
1848		**27LC001**	**PRE-CARBONATOR LEVEL CONTROL VALVE - Inspect valve**	**10 hrs**	**Thu 04/05/23 10:15**	**Fri 05/05/23 09:45**	**1839**	
1849			Make out permit	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30		Operations
1850			Accept permit	0.25 hrs	Thu 04/05/23 10:30	Thu 04/05/23 10:45	1849	Ash-Inst1,SS-Ash-Ins1
1851			Disconnect instruments	1 hr	Thu 04/05/23 10:45	Thu 04/05/23 11:45	1850	Ash-Inst1,SS-Ash-Ins1
1852			Remove valve	3 hrs	Thu 04/05/23 11:45	Thu 04/05/23 15:15	1851	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1853			Inspect valve	3 hrs	Thu 04/05/23 15:15	Fri 05/05/23 07:15	1852	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1
1854			Install valve	2 hrs	Fri 05/05/23 07:15	Fri 05/05/23 09:15	1853	Carbo-FT2,Ash-Inst1,SS-Ash-Ins1,G Moeseraela,T Mol
1855			Stroke check valve	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30	1854	Ash-Inst1,SS-Ash-Ins1
1856			Clear permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	1855	Ash-Inst1,SS-Ash-Ins1
1857		**27FC008**	**PRIMARY CARBONATOR A CO2 FLOW VALVE - remove & overhaul**	**11 hrs**	**Wed 19/04/23 11:30**	**Thu 20/04/23 12:00**		
1858			Make out permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45		Operations
1859			Accept permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	1858	Ash-Inst1,SS-Ash-Ins1
1860			Disconnect instruments	1 hr	Wed 19/04/23 12:30	Wed 19/04/23 13:30	1859	Ash-Inst1,SS-Ash-Ins1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1861			Remove valve	2 hrs	Wed 19/04/23 13:30	Wed 19/04/23 15:30	1860	RSC Scaffolding,Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Ke
1862			Overhaul valve	3 hrs	Wed 19/04/23 15:30	Thu 20/04/23 07:30	1861	Ash-Inst1,SS-Ash-Ins1
1863			Install valve	4 hrs	Thu 20/04/23 07:30	Thu 20/04/23 11:30	1862	RSC Scaffolding,Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Ke
1864			Stroke check valve	0.25 hrs	Thu 20/04/23 11:30	Thu 20/04/23 11:45	1863	Ash-Inst1,SS-Ash-Ins1
1865			Clear permit	0.25 hrs	Thu 20/04/23 11:45	Thu 20/04/23 12:00	1864	Ash-Inst1,SS-Ash-Ins1
1866		**27PC011**	**PRIMARY CARBONATOR B CO2 FLOW VALVE - Remove & overhaul**	**9.5 hrs**	**Thu 20/04/23 12:00**	**Fri 21/04/23 11:00**	**1857**	
1867			Make out permit	0.25 hrs	Thu 20/04/23 12:00	Thu 20/04/23 12:15		Operations
1868			Accept permit	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	1867	Ash-Inst1,SS-Ash-Ins1
1869			Disconnect instruments	1 hr	Thu 20/04/23 12:45	Thu 20/04/23 13:45	1868	Ash-Inst1,SS-Ash-Ins1
1870			Remove valve	2 hrs	Thu 20/04/23 13:45	Thu 20/04/23 15:45	1869	RSC Scaffolding,Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Ke
1871			Overhaul valve	3 hrs	Thu 20/04/23 15:45	Fri 21/04/23 07:45	1870	Ash-Inst1,SS-Ash-Ins1
1872			Install valve	2.75 hrs	Fri 21/04/23 07:45	Fri 21/04/23 10:30	1871	RSC Scaffolding,Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Ke
1873			Stroke check valve	0.25 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:45	1872	Ash-Inst1,SS-Ash-Ins1
1874			Clear permit	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	1873	Ash-Inst1,SS-Ash-Ins1
1875		**27PC012**	**SECONDARY CARBONATOR CO2 FLOW VALVE - Remove & overhaul**	**9.75 hrs**	**Fri 21/04/23 11:00**	**Sat 22/04/23 10:15**	**1866**	
1876			Make out permit	0.25 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:15		Operations
1877			Accept permit	0.25 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:30	1876	Ash-Inst1,SS-Ash-Ins1
1878			Disconnect instruments	1 hr	Fri 21/04/23 11:30	Fri 21/04/23 13:00	1877	Ash-Inst1,SS-Ash-Ins1
1879			Remove valve	2 hrs	Fri 21/04/23 13:00	Fri 21/04/23 15:00	1878	RSC Scaffolding,Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Ke
1880			Overhaul valve	3 hrs	Fri 21/04/23 15:00	Fri 21/04/23 18:00	1879	Ash-Inst1,SS-Ash-Ins1
1881			Install valve	2.75 hrs	Sat 22/04/23 07:00	Sat 22/04/23 09:45	1880	RSC Scaffolding,Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Ke
1882			Stroke check valve	0.25 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:00	1881	Ash-Inst1,SS-Ash-Ins1
1883			Clear permit	0.25 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:15	1882	Ash-Inst1,SS-Ash-Ins1
1884		**27TC009**	**TRIM HEATER TEMP CONTROL VALVE - Remove and overhaul valve**	**10 hrs**	**Sat 22/04/23 10:15**	**Sun 23/04/23 09:45**	**1875**	
1885			Make out permit	0.25 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:30		Operations
1886			Accept permit	0.25 hrs	Sat 22/04/23 10:30	Sat 22/04/23 10:45	1885	Ash-Inst1,SS-Ash-Ins1
1887			Disconnect instruments	1 hr	Sat 22/04/23 10:45	Sat 22/04/23 11:45	1886	Ash-Inst1,SS-Ash-Ins1
1888			Remove valve	3 hrs	Sat 22/04/23 11:45	Sat 22/04/23 15:15	1887	Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Keamogetswe,G M
1889			Inspect valve	3 hrs	Sat 22/04/23 15:15	Sun 23/04/23 07:15	1888	Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Keamogetswe
1890			Install valve	2 hrs	Sun 23/04/23 07:15	Sun 23/04/23 09:15	1889	Ash-Inst1,SS-Ash-Ins1,G Kapenda,O Keamogetswe,G M
1891			Stroke check valve	0.25 hrs	Sun 23/04/23 09:15	Sun 23/04/23 09:30	1890	Ash-Inst1,SS-Ash-Ins1
1892			Clear permit	0.25 hrs	Sun 23/04/23 09:30	Sun 23/04/23 09:45	1891	Ash-Inst1,SS-Ash-Ins1
1893		**AREA 27B**	**CRYSTALLISATION**	**163.75 hrs**	**Mon 17/04/23 06:30**	**Tue 02/05/23 13:45**		
1894			**OPERATIONS**	**42 hrs**	**Mon 17/04/23 06:30**	**Thu 20/04/23 18:30**		
1895			**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**		
1896			Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
1897		**27B2FB01**	**# 1 CRYSTALISER - Clean The Tank**	**10.5 hrs**	**Tue 18/04/23 01:30**	**Wed 19/04/23 07:00**	**621,1895**	
1898			Organize Hoses, Mops, Buckets And Brooms (Prior)	1.5 hrs	Tue 18/04/23 01:30	Tue 18/04/23 03:00		Operations
1899			Make Out Permit	0.25 hrs	Tue 18/04/23 03:00	Tue 18/04/23 03:15	1898	Operations
1900			Accept Permit	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	1899	Cryst-FT1,Cryst-SSFT1
1901			Drain Tank	2.5 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:45	1900	Operations
1902			Open Manhole Covers	5.5 hrs	Tue 18/04/23 09:45	Tue 18/04/23 15:45	1901	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
1903			Clean Tank Internally	15 hrs	Tue 18/04/23 15:45	Wed 19/04/23 06:45	1902	Operations
1904			Clear Permit	0.25 hrs	Wed 19/04/23 06:45	Wed 19/04/23 07:00	1903	Operations
1905		**27B2FB02**	**# 2 CRYSTALISER - Clean The Tank**	**12.25 hrs**	**Wed 19/04/23 07:00**	**Thu 20/04/23 08:45**	**1897**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1906			Organize Hoses, Mops, Buckets And Brooms (Prior)	1.5 hrs	Wed 19/04/23 07:00	Wed 19/04/23 08:30		Operations
1907			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	1906	Operations
1908			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	1907	Cryst-FT1,Cryst-SSFT1
1909			Drain Tank	2.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 11:30	1908	Operations
1910			Open Manhole Covers	3.5 hrs	Wed 19/04/23 11:30	Wed 19/04/23 15:30	1909	Cryst-FT1,Cryst-SSFT1
1911			Clean Tank Internally	17 hrs	Wed 19/04/23 15:30	Thu 20/04/23 08:30	1910	Operations
1912			Clear Permit	0.25 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:45	1911	Operations
1913		**27B2FB03**	**# 3 CRYSTALISER - Clean The Tank**	**8.75 hrs**	**Thu 20/04/23 08:45**	**Thu 20/04/23 18:30**	**1905**	
1914			Organize Hoses, Mops, Buckets And Brooms (Prior)	1.5 hrs	Thu 20/04/23 08:45	Thu 20/04/23 10:15		Operations
1915			Make Out Permit	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	1914	Operations
1916			Accept Permit	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	1915	Cryst-FT1,Cryst-SSFT1
1917			Drain Tank	2.5 hrs	Thu 20/04/23 10:45	Thu 20/04/23 13:15	1916	Operations
1918			Open Manhole Covers	3.5 hrs	Thu 20/04/23 13:15	Thu 20/04/23 16:45	1917	Cryst-FT1,Cryst-SSFT1
1919			Clean Tank Internally	1.5 hrs	Thu 20/04/23 16:45	Thu 20/04/23 18:15	1918	Operations
1920			Clear Permit	0.25 hrs	Thu 20/04/23 18:15	Thu 20/04/23 18:30	1919	Operations
1921			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 08:30**	**Wed 19/04/23 08:30**		
1922			Maintenance jobs commence	0 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:30	615FS-3 hr	
1923			**MECHANICAL**	**104.75 hrs**	**Wed 19/04/23 08:30**	**Sat 29/04/23 08:15**	**1922**	
1924		**27B2GA02**	**# 1 CRYSTALISER FEED PUMP B - Overhaul Pump**	**12.25 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 10:15**		
1925			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
1926			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	1925	Cryst-FT4,Cryst-SSFT4
1927			Disconnect motor	0.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:30	1926	
1928			Loosen Bolts	1.5 hrs	Wed 19/04/23 09:30	Wed 19/04/23 11:00	1927	Cryst-FT4,Cryst-SSFT4
1929			Remove Guard	0.5 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:30	1928	Cryst-FT4,Cryst-SSFT4
1930			Remove Pump	2 hrs	Wed 19/04/23 11:30	Wed 19/04/23 14:00	1929	Carbo-FT5,M-Crane 7Ton,SCarbo-FT6,G Moeseraela,T
1931			Transport Pump To Workshop	0.5 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:30	1930	M-Crane 7Ton,G Moeseraela,T Moloi,K Gabantogele
1932			Strip Out And Overhaul Pump	6 hrs	Wed 19/04/23 14:30	Thu 20/04/23 09:30	1931	Cryst-FT4,Cryst-SSFT4
1933			Transport Pump To Plant	0.5 hrs	Thu 20/04/23 09:30	Thu 20/04/23 10:00	1932	G Moeseraela,T Moloi,K Gabantogele
1934			Clear Permit	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	1933	Cryst-FT4,Cryst-SSFT4
1935		**27B2GA02**	**# 1 CRYSTALISER FEED PUMP B - Modify pump base**	**85.25 hrs**	**Wed 19/04/23 08:30**	**Thu 27/04/23 09:45**		
1936			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Cryst-Ops
1937			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	1936	Civils
1938			Cut old bolts	2 hrs	Wed 19/04/23 09:00	Wed 19/04/23 11:00	1937	M Ramatlhakeng,S Monna
1939			Break concrete plinth	6 hrs	Wed 19/04/23 11:00	Wed 19/04/23 17:30	1938	Civils
1940			Clean area	2 hrs	Wed 19/04/23 17:30	Thu 20/04/23 08:30	1939	Civils
1941			Core drill base mouting bolts	8 hrs	Thu 20/04/23 08:30	Thu 20/04/23 17:00	1940	Civils
1942			Position base, level and secure	4 hrs	Thu 20/04/23 17:00	Fri 21/04/23 10:00	1941	M-Crane 8Ton,G Moeseraela,T Moloi
1943			Cast concrete	8 hrs	Fri 21/04/23 10:00	Sat 22/04/23 07:30	1942	Civils
1944			Curing time	48 hrs	Sat 22/04/23 07:30	Wed 26/04/23 14:00	1943	
1945			Install pump	2 hrs	Wed 26/04/23 14:00	Wed 26/04/23 16:00	1944	M-Crane 8Ton,G Moeseraela,T Moloi
1946			Install motor	1 hr	Wed 26/04/23 16:00	Wed 26/04/23 17:00	1945	M-Crane 8Ton,G Moeseraela,T Moloi
1947			Connect motor and test direction	0.5 hrs	Wed 26/04/23 17:00	Wed 26/04/23 17:30	1946	Elec
1948			Couple and align	2 hrs	Wed 26/04/23 17:30	Thu 27/04/23 08:30	1947	Cryst-FT4,Cryst-SSFT4
1949			Replace Guard	0.5 hrs	Thu 27/04/23 08:30	Thu 27/04/23 09:00	1948	Cryst-FT4,Cryst-SSFT4
1950			Housekeeping	0.5 hrs	Thu 27/04/23 09:00	Thu 27/04/23 09:30	1949	Civils

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1951			Clear permit	0.25 hrs	Thu 27/04/23 09:30	Thu 27/04/23 09:45	1950	Civils
1952		**27B2GA02**	**# 1 CRYSTALISER FEED PUMP A - Carry Out Inspection**	**9.75 hrs**	**Thu 20/04/23 10:15**	**Fri 21/04/23 09:30**	**1924**	
1953			Make Out Permit	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30		Operations
1954			Accept Permit	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	1953	Cryst-FT4,Cryst-SSFT4
1955			Remove Guard	0.5 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:15	1954	Cryst-FT4,Cryst-SSFT4
1956			Inspect Coupling	1 hr	Thu 20/04/23 11:15	Thu 20/04/23 12:45	1955	Cryst-FT4,Cryst-SSFT4
1957			Check all mounting bolts	0.5 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:15	1956	Cryst-FT4,Cryst-SSFT4
1958			Check condition of the base	1 hr	Thu 20/04/23 13:15	Thu 20/04/23 14:15	1957	Cryst-FT4,Cryst-SSFT4
1959			Check all flanges both discharge& suction	0.5 hrs	Thu 20/04/23 14:15	Thu 20/04/23 14:45	1958	Cryst-FT4,Cryst-SSFT4
1960			Inspect all belows	1 hr	Thu 20/04/23 14:45	Thu 20/04/23 15:45	1959	Cryst-FT4,Cryst-SSFT4
1961			Drain & Refill Oil	1 hr	Thu 20/04/23 15:45	Thu 20/04/23 16:45	1960	Cryst-FT4,Cryst-SSFT4
1962			Repack glands	1 hr	Thu 20/04/23 16:45	Thu 20/04/23 17:45	1961	Cryst-FT4,Cryst-SSFT4
1963			Carry Out or cross check Laser Alignment	2 hrs	Thu 20/04/23 17:45	Fri 21/04/23 08:45	1962	Reliability
1964			Replace Guard	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	1963	Cryst-FT4,Cryst-SSFT4
1965			Clear Permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	1964	Cryst-FT4,Cryst-SSFT4
1966		**28B2EA01**	**# 4 HEAT EXCHANGER - Replace weldedpack**	**19 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 17:30**		
1967			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		G Kapenda,O Keamogetswe
1968			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	1967	G Kapenda,O Keamogetswe
1969			Carry out risk assessment	0.25 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:15	1968	G Kapenda,O Keamogetswe
1970			Undo inlet pipe bolts	1 hr	Wed 19/04/23 09:15	Wed 19/04/23 10:15	1969	G Kapenda,O Keamogetswe
1971			Rig out inlet pipes	1 hr	Wed 19/04/23 10:15	Wed 19/04/23 11:15	1970	Rig (Ash) 5,M_Crane7T
1972			Undo end cover bolts	4 hrs	Wed 19/04/23 11:15	Wed 19/04/23 15:45	1971	G Kapenda,O Keamogetswe
1973			Rig out end cover	1 hr	Wed 19/04/23 15:45	Wed 19/04/23 16:45	1972	Rig (Ash) 5,M_Crane7T
1974			Rig in weldedpack	2 hrs	Wed 19/04/23 16:45	Thu 20/04/23 07:45	1973	Rig (Ash) 5,M_Crane7T
1975			Rig in end cover	2 hrs	Thu 20/04/23 07:45	Thu 20/04/23 09:45	1974	Rig (Ash) 5,M_Crane7T
1976			Bolt up and tighten bolts	4 hrs	Thu 20/04/23 09:45	Thu 20/04/23 14:15	1975	G Kapenda,O Keamogetswe
1977			Rig in inlet pipes	1 hr	Thu 20/04/23 14:15	Thu 20/04/23 15:15	1976	Rig (Ash) 5,M_Crane7T
1978			Bolt up and tighten bolts	1 hr	Thu 20/04/23 15:15	Thu 20/04/23 16:15	1977	G Kapenda,O Keamogetswe
1979			Carry out housekeeping	1 hr	Thu 20/04/23 16:15	Thu 20/04/23 17:15	1978	G Kapenda,O Keamogetswe
1980			clear permit	0.25 hrs	Thu 20/04/23 17:15	Thu 20/04/23 17:30	1979	G Kapenda,O Keamogetswe
1981		**27B2FB01**	**# 1 CRYSTALISER TANK - Perform Spark Test And Inspections**	**55.25 hrs**	**Thu 20/04/23 18:30**	**Wed 26/04/23 09:45**	**1913**	
1982			Make Out Permit	0.25 hrs	Thu 20/04/23 18:30	Thu 20/04/23 18:45		Operations
1983			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	1982	Cryst-FT1,Cryst-SSFT1
1984			Open Manhole Covers	1.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 08:45	1983	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
1985			Complete Gas Analysis Test	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	1984	Lab
1986			Obtain Vessel Entry Permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	1985	Cryst-FT1,Cryst-SSFT1
1987			Carry out decontamination protocol	6 hrs	Fri 21/04/23 09:30	Fri 21/04/23 16:00	1986	Nicholas
1988			Clean And Dry Floor	20 hrs	Fri 21/04/23 16:00	Sat 22/04/23 12:00	1987	Operations
1989			Build Movable Scaffold (Scaffolding 8 Meter High)	8 hrs	Sat 22/04/23 12:30	Sun 23/04/23 09:30	1988	G Moeseraela,T Moloi,K Gabantogele
1990			Spark Test	8 hrs	Sun 23/04/23 09:30	Sun 23/04/23 17:30	1989	Corrocoat
1991			Inspect Fibreglass Lining And Repair Damaged Areas	6 hrs	Sun 23/04/23 17:30	Sun 23/04/23 23:30	1990	Corrocoat
1992			Repair Fibreglass If Required	8 hrs	Sun 23/04/23 23:30	Mon 24/04/23 07:30	1991	Corrocoat
1993			Inspect agitator blade bolts for security	4 hrs	Mon 24/04/23 07:30	Mon 24/04/23 11:30	1992	Cryst-FT1,Corrocoat,Cryst-SSFT1
1994			Remove Scaffold	4 hrs	Mon 24/04/23 11:30	Mon 24/04/23 16:00	1993	G Moeseraela,T Moloi,K Gabantogele
1995			Inspect Gearbox	3 hrs	Mon 24/04/23 16:00	Tue 25/04/23 08:00	1994	Cryst-FT1,Cryst-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
1996			Check Gearbox Oil	2 hrs	Tue 25/04/23 08:00	Tue 25/04/23 10:00	1995	Cryst-FT1,Cryst-SSFT1
1997			Remove decontamination controls	6 hrs	Tue 25/04/23 10:00	Tue 25/04/23 16:30	1996	Nicholas
1998			Box Up Manhole Covers	4 hrs	Tue 25/04/23 16:30	Wed 26/04/23 09:30	1997	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
1999			Clear Permits	0.25 hrs	Wed 26/04/23 09:30	Wed 26/04/23 09:45	1998	Cryst-FT1,Cryst-SSFT1
2000		**27B2FB01**	**# 1 CRYSTALISER AGITATOR - Inspect Gear box**	**10.5 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 08:30**		
2001			Clean the area(prior)	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2002			Make out permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2001	Cryst-FT5,Cryst-SSFT5
2003			Accept permit to work	0.25 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:15	2002	Cryst-FT5,Cryst-SSFT5
2004			Carry out risk assesment	0.25 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:30	2003	Cryst-FT5,Cryst-SSFT5
2005			Loosen and remove the motor/gearbox coupling guard	1 hr	Wed 19/04/23 09:30	Wed 19/04/23 10:30	2004	Cryst-FT5,Cryst-SSFT5
2006			Inspect coupling	0.25 hrs	Wed 19/04/23 10:30	Wed 19/04/23 10:45	2005	Cryst-FT5,Cryst-SSFT5
2007			Drain oil	2 hrs	Wed 19/04/23 10:45	Wed 19/04/23 13:15	2006	Cryst-FT5,Cryst-SSFT5
2008			Inspect and service gearbox	1 hr	Wed 19/04/23 13:15	Wed 19/04/23 14:15	2007	Cryst-FT5,Cryst-SSFT5
2009			Re fill oil and replace filter cartridge	2 hrs	Wed 19/04/23 14:15	Wed 19/04/23 16:15	2008	Cryst-FT5,Cryst-SSFT5
2010			Repack stuffing box	2 hrs	Wed 19/04/23 16:15	Thu 20/04/23 07:15	2009	Cryst-FT5,Cryst-SSFT5
2011			Replace guard	1 hr	Thu 20/04/23 07:15	Thu 20/04/23 08:15	2010	Cryst-FT5,Cryst-SSFT5
2012			Clear permit	0.25 hrs	Thu 20/04/23 08:15	Thu 20/04/23 08:30	2011	Cryst-FT5,Cryst-SSFT5
2013		**27B2GA01**	**# 2 CRYSTALISER FEED PUMP A - Carry Out Inspection**	**9.75 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 07:45**		
2014			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2015			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2014	Cryst-FT5,Cryst-SSFT5
2016			Remove Guard	0.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:30	2015	Cryst-FT5,Cryst-SSFT5
2017			Inspect Coupling	1 hr	Wed 19/04/23 09:30	Wed 19/04/23 10:30	2016	Cryst-FT5,Cryst-SSFT5
2018			Check all mounting bolts	0.5 hrs	Wed 19/04/23 10:30	Wed 19/04/23 11:00	2017	Cryst-FT5,Cryst-SSFT5
2019			Check condition of the base	1 hr	Wed 19/04/23 11:00	Wed 19/04/23 12:00	2018	Cryst-FT5,Cryst-SSFT5
2020			Check all flanges both discharge& suction	0.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 13:00	2019	Cryst-FT5,Cryst-SSFT5
2021			Inspect all belows	1 hr	Wed 19/04/23 13:00	Wed 19/04/23 14:00	2020	Cryst-FT5,Cryst-SSFT5
2022			Drain& Refill Oil	1 hr	Wed 19/04/23 14:00	Wed 19/04/23 15:00	2021	Cryst-FT5,Cryst-SSFT5
2023			Repack glands	1 hr	Wed 19/04/23 15:00	Wed 19/04/23 16:00	2022	Cryst-FT5,Cryst-SSFT5
2024			Carry Out or cross check Laser Alignment	2 hrs	Wed 19/04/23 16:00	Wed 19/04/23 18:00	2023	Reliability
2025			Replace Guard	0.5 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:30	2024	Cryst-FT5,Cryst-SSFT5
2026			Clear Permit	0.25 hrs	Thu 20/04/23 07:30	Thu 20/04/23 07:45	2025	Cryst-FT5,Cryst-SSFT5
2027		**27B2GA01**	**# 2 CRYSTALISER FEED PUMP B - Overhaul Pump**	**16.75 hrs**	**Thu 20/04/23 08:30**	**Fri 21/04/23 15:15**	**2000**	
2028			Make Out Permit	0.25 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:45		Operations
2029			Accept Permit	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00	2028	Cryst-FT5,Cryst-SSFT5
2030			Loosen Bolts	1.5 hrs	Thu 20/04/23 09:00	Thu 20/04/23 10:30	2029	Cryst-FT5,Cryst-SSFT5
2031			Remove Guard	0.5 hrs	Thu 20/04/23 10:30	Thu 20/04/23 11:00	2030	Cryst-FT5,Cryst-SSFT5
2032			Remove Pump	2 hrs	Thu 20/04/23 11:00	Thu 20/04/23 13:30	2031	Carbo-FT5,M-Crane 7Ton,SCarbo-FT6,G Moeseraela,T
2033			Transport Pump To Workshop	0.5 hrs	Thu 20/04/23 13:30	Thu 20/04/23 14:00	2032	M-Crane 7Ton,Rig (Carb
2034			Strip Out And Overhaul Pump	6 hrs	Thu 20/04/23 14:00	Fri 21/04/23 09:00	2033	Cryst-FT5,Cryst-SSFT5
2035			Transport Pump To Plant	0.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:30	2034	G Moeseraela,T Moloi,K Gabantogele
2036			Install And Secure Pump	2 hrs	Fri 21/04/23 09:30	Fri 21/04/23 11:30	2035	Carbo-FT5,M-Crane 7Ton,SCarbo-FT6,G Moeseraela,T
2037			Align Pump	2 hrs	Fri 21/04/23 11:30	Fri 21/04/23 14:00	2036	Reliability,Carbo-SSFT9,Carbo-FT9
2038			Replace Guard	0.5 hrs	Fri 21/04/23 14:00	Fri 21/04/23 14:30	2037	Cryst-FT5,Cryst-SSFT5
2039			Test Run Pump	0.5 hrs	Fri 21/04/23 14:30	Fri 21/04/23 15:00	2038	Operations
2040			Clear Permit	0.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:15	2039	Cryst-FT5,Cryst-SSFT5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2041		**27B2FB02**	**# 2 CRYSTALISER TANK - Perform Spark Test And Inspections**	**104.75 hrs**	**Wed 19/04/23 08:30**	**Sat 29/04/23 08:15**		
2042			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2043			Accept Permit	0.25 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:00	1984,2042	Cryst-FT1,Cryst-SSFT1
2044			Open Manhole Covers	1.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 10:30	2043	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
2045			Carry out decontamination protocol	6 hrs	Fri 21/04/23 10:30	Fri 21/04/23 17:00	2044	Nicholas
2046			Complete Gas Analysis Test	0.5 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:30	2045	Lab
2047			Obtain Vessel Entry Permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45	2046	Cryst-FT1,Cryst-SSFT1
2048			Clean And Dry Floor	20 hrs	Fri 21/04/23 17:45	Sat 22/04/23 13:45	2047	Operations
2049			Build Movable Scaffold (Scaffolding 8 Meter High)	8 hrs	Sat 22/04/23 13:45	Sun 23/04/23 10:45	2048	G Moeseraela,T Moloi,K Gabantogele
2050			Spark Test	8 hrs	Sun 23/04/23 23:30	Mon 24/04/23 07:30	1991,2049	Corrocoat
2051			Inspect Fibreglass Lining And Repair Damaged Areas	6 hrs	Mon 24/04/23 07:30	Mon 24/04/23 13:30	2050	Corrocoat
2052			Repair Fibreglass If Required	8 hrs	Mon 24/04/23 13:30	Mon 24/04/23 21:30	2051	Corrocoat
2053			Remove Scaffold	4 hrs	Tue 25/04/23 07:00	Tue 25/04/23 11:00	2052	G Moeseraela,T Moloi,K Gabantogele
2054			Inspect Agitator & Repair Rubberlining If Necessary	37.5 hrs	Tue 25/04/23 11:00	Thu 27/04/23 14:30	2053	Corrocoat,Cryst-FT1,Cryst-SSFT1
2055			Inspect Gearbox	3 hrs	Thu 27/04/23 14:30	Thu 27/04/23 17:30	2054	Cryst-FT1,Cryst-SSFT1
2056			Check Gearbox Oil	2 hrs	Thu 27/04/23 17:30	Fri 28/04/23 08:30	2055	Cryst-FT1,Cryst-SSFT1
2057			Remove decontamination controls	6 hrs	Fri 28/04/23 08:30	Fri 28/04/23 15:00	2056	Nicholas
2058			Box Up Manhole Covers	4 hrs	Fri 28/04/23 15:00	Sat 29/04/23 08:00	2057	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
2059			Clear Permits	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	2058	Cryst-FT1,Cryst-SSFT1
2060		**27B2FB02**	**# 2 CRYSTALISER TANK 2 - Repair Base**	**82.75 hrs**	**Wed 19/04/23 08:30**	**Thu 27/04/23 07:15**		
2061			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2062			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2061	Civil (Carb)
2063			Breaking Concrete	12 hrs	Wed 19/04/23 09:00	Thu 20/04/23 10:30	2062	Civil (Carb)
2064			Shuttering	12 hrs	Thu 20/04/23 10:30	Fri 21/04/23 12:00	2063	Civil (Carb)
2065			Casting Concrete	8 hrs	Fri 21/04/23 12:30	Sat 22/04/23 09:30	2064	Civil (Carb)
2066			Curing time	48 hrs	Sat 22/04/23 09:30	Wed 26/04/23 16:00	2065	
2067			House Keeping	2 hrs	Wed 26/04/23 16:00	Wed 26/04/23 18:00	2066	Civil (Carb)
2068			Clear Permit	0.25 hrs	Thu 27/04/23 07:00	Thu 27/04/23 07:15	2067	Civil (Carb)
2069		**27B2FB02**	**# 2 CRYSTALISER AGITATOR - Inspect Gear box**	**10.5 hrs**	**Fri 21/04/23 15:15**	**Sat 22/04/23 15:15**	**2027**	
2070			Clean the area(prior)	0.25 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:30		Operations
2071			Make out permit	0.25 hrs	Fri 21/04/23 15:30	Fri 21/04/23 15:45	2070	Cryst-FT5,Cryst-SSFT5
2072			Accept permit to work	0.25 hrs	Fri 21/04/23 15:45	Fri 21/04/23 16:00	2071	Cryst-FT5,Cryst-SSFT5
2073			Carry out risk assesment	0.25 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:15	2072	Cryst-FT5,Cryst-SSFT5
2074			Loosen and remove the motor/gearbox coupling guard	1 hr	Fri 21/04/23 16:15	Fri 21/04/23 17:15	2073	Cryst-FT5,Cryst-SSFT5
2075			Inspect coupling	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	2074	Cryst-FT5,Cryst-SSFT5
2076			Drain oil	2 hrs	Fri 21/04/23 17:30	Sat 22/04/23 08:30	2075	Cryst-FT5,Cryst-SSFT5
2077			Inspect and service gearbox	1 hr	Sat 22/04/23 08:30	Sat 22/04/23 09:30	2076	Cryst-FT5,Cryst-SSFT5
2078			Re fill oil and replace filter cartridge	2 hrs	Sat 22/04/23 09:30	Sat 22/04/23 11:30	2077	Cryst-FT5,Cryst-SSFT5
2079			Repack stuffing box	2 hrs	Sat 22/04/23 11:30	Sat 22/04/23 14:00	2078	Cryst-FT5,Cryst-SSFT5
2080			Replace guard	1 hr	Sat 22/04/23 14:00	Sat 22/04/23 15:00	2079	Cryst-FT5,Cryst-SSFT5
2081			Clear permit	0.25 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:15	2080	Cryst-FT5,Cryst-SSFT5
2082		**27B2GA02**	**# 3 CRYSTALISER FEED PUMP A - Carry Out Inspection**	**9.75 hrs**	**Sat 22/04/23 15:15**	**Sun 23/04/23 14:30**	**2069**	
2083			Make Out Permit	0.25 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:30		Operations
2084			Accept Permit	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45	2083	Carbo-FT9,Carbo-SSFT9
2085			Remove Guard	0.5 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:15	2084	Carbo-FT9,Carbo-SSFT9

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2086			Inspect Coupling	1 hr	Sat 22/04/23 16:15	Sat 22/04/23 17:15	2085	Carbo-FT9,Carbo-SSFT9
2087			Check all mounting bolts	0.5 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:45	2086	Carbo-FT9,Carbo-SSFT9
2088			Check condition of the base	1 hr	Sat 22/04/23 17:45	Sun 23/04/23 07:45	2087	Carbo-FT9,Carbo-SSFT9
2089			Check all flanges both discharge& suction	0.5 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:15	2088	Carbo-FT9,Carbo-SSFT9
2090			Inspect all belows	1 hr	Sun 23/04/23 08:15	Sun 23/04/23 09:15	2089	Carbo-FT9,Carbo-SSFT9
2091			Drain & Refill Oil	1 hr	Sun 23/04/23 09:15	Sun 23/04/23 10:15	2090	Carbo-FT9,Carbo-SSFT9
2092			Repack glands	1 hr	Sun 23/04/23 10:15	Sun 23/04/23 11:15	2091	Carbo-FT9,Carbo-SSFT9
2093			Carry Out or cross check Laser Alignment	2 hrs	Sun 23/04/23 11:15	Sun 23/04/23 13:45	2092	Reliability
2094			Replace Guard	0.5 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:15	2093	Carbo-FT9,Carbo-SSFT9
2095			Clear Permit	0.25 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:30	2094	Carbo-FT9,Carbo-SSFT9
2096		**27B2GA02**	**# 3 CRYSTALISER FEEDPUMP B - Overhaul Pump**	**16.75 hrs**	**Sun 23/04/23 14:30**	**Tue 25/04/23 09:45**	**2082**	
2097			Make Out Permit	0.25 hrs	Sun 23/04/23 14:30	Sun 23/04/23 14:45		Operations
2098			Accept Permit	0.25 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:00	2097	Cryst-FT5,Cryst-SSFT5
2099			Loosen Bolts	1.5 hrs	Sun 23/04/23 15:00	Sun 23/04/23 16:30	2098	Cryst-FT5,Cryst-SSFT5
2100			Remove Guard	0.5 hrs	Sun 23/04/23 16:30	Sun 23/04/23 17:00	2099	Cryst-FT5,Cryst-SSFT5
2101			Remove Pump	2 hrs	Sun 23/04/23 17:00	Mon 24/04/23 08:00	2036,2100	Carbo-FT5,M-Crane 7Ton,SCarbo-FT6,G Moeseraela,T
2102			Transport Pump To Workshop	0.5 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:30	2101	M-Crane 7Ton,Rig (Carb
2103			Strip Out And Overhaul Pump	6 hrs	Mon 24/04/23 08:30	Mon 24/04/23 15:00	2102	Cryst-FT5,Cryst-SSFT5
2104			Transport Pump To Plant	0.5 hrs	Mon 24/04/23 15:00	Mon 24/04/23 15:30	2103	G Moeseraela,T Moloi,K Gabantogele
2105			Install And Secure Pump	2 hrs	Mon 24/04/23 15:30	Mon 24/04/23 17:30	2104	Carbo-FT5,M-Crane 7Ton,SCarbo-FT6,G Moeseraela,T
2106			Align Pump	2 hrs	Mon 24/04/23 17:30	Tue 25/04/23 08:30	2105	Carbo-FT5,Reliability,SCarbo-FT6
2107			Replace Guard	0.5 hrs	Tue 25/04/23 08:30	Tue 25/04/23 09:00	2106	Cryst-FT5,Cryst-SSFT5
2108			Test Run Pump	0.5 hrs	Tue 25/04/23 09:00	Tue 25/04/23 09:30	2107	Operations
2109			Clear Permit	0.25 hrs	Tue 25/04/23 09:30	Tue 25/04/23 09:45	2108	Cryst-FT5,Cryst-SSFT5
2110		**27B2EA07**	**# 7 HEAT EXCHANGER - Inspect & Replace Deffective Gaskets and plates**	**26.75 hrs**	**Wed 19/04/23 08:30**	**Fri 21/04/23 14:45**		
2111			Cleaning (prior)	0 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:30		Operations
2112			Fabricate cross beam (prior)	0 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:30	2111	M Ramatlhakeng,S Monna
2113			Make up permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	2112	Cryst-FT4,Cryst-SSFT4
2114			Accept permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2113	Cryst-FT4,Cryst-SSFT4
2115			Open Heat Exchanger	4 hrs	Wed 19/04/23 09:00	Wed 19/04/23 13:30	2114	Cryst-FT4,Cryst-SSFT4
2116			Clean plates	4 hrs	Wed 19/04/23 13:30	Wed 19/04/23 17:30	2115	Operations
2117			Replace cross beam	6 hrs	Wed 19/04/23 17:30	Thu 20/04/23 13:00	2116	Carbo-FT5,Brod,SCarbo-FT6,M Ramatlhakeng,S Monn
2118			Inspect plates	4 hrs	Thu 20/04/23 13:00	Thu 20/04/23 17:00	2117	Cryst-FT4,Cryst-SSFT4
2119			Replace gaskets	4 hrs	Thu 20/04/23 17:00	Fri 21/04/23 10:00	2118	Cryst-FT4,Cryst-SSFT4
2120			Box up	4 hrs	Fri 21/04/23 10:00	Fri 21/04/23 14:30	2119	Cryst-FT4,Cryst-SSFT4
2121			Clear permit	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45	2120	Cryst-FT4,Cryst-SSFT4
2122		**27B2EA07**	**# 7 HEAT EXCHANGER - Replace butterfly with a knifegate valve**	**7.25 hrs**	**Thu 27/04/23 11:15**	**Fri 28/04/23 08:00**	**2155**	
2123			Erect scaffolding prior	0 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:15		G Moeseraela,T Moloi
2124			Make out permit	0.25 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:30	2123	Operations
2125			Accept permit	0.25 hrs	Thu 27/04/23 11:30	Thu 27/04/23 11:45	2124	Cryst-FT5,Cryst-SSFT5
2126			Carry out risk assement	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	2125	Cryst-FT5,Cryst-SSFT5
2127			Ensure valve is in closed position	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	2126	Cryst-FT5,Cryst-SSFT5
2128			Loosen & remove all securing bolts	2 hrs	Thu 27/04/23 12:45	Thu 27/04/23 14:45	2127	Cryst-FT5,Cryst-SSFT5
2129			Rig out old valve	1 hr	Thu 27/04/23 14:45	Thu 27/04/23 15:45	2128	Crane,Cryst-FT5,Cryst-SSFT5,G Moeseraela,T Moloi,K
2130			Rig in new valve	1 hr	Thu 27/04/23 15:45	Thu 27/04/23 16:45	2129	Crane,Cryst-FT5,Cryst-SSFT5,G Moeseraela,T Moloi,K

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2131			Replace all bolts	1 hr	Thu 27/04/23 16:45	Thu 27/04/23 17:45	2130	Cryst-FT5,Cryst-SSFT5
2132			Tighten all bolts in correct sequence	0.5 hrs	Thu 27/04/23 17:45	Fri 28/04/23 07:15	2131	Cryst-FT5,Cryst-SSFT5
2133			Housekeeping	0.5 hrs	Fri 28/04/23 07:15	Fri 28/04/23 07:45	2132	Cryst-FT5,Cryst-SSFT5
2134			Clear permit	0.25 hrs	Fri 28/04/23 07:45	Fri 28/04/23 08:00	2133	Cryst-FT5,Cryst-SSFT5
2135			Dismantle scaffolding	0 hrs	Fri 28/04/23 08:00	Fri 28/04/23 08:00	2134	G Moeseraela,T Moloi
2136		**27B2FB02**	**# 3 CRYSTALISER TANK - Perform Spark Test And Inspections**	**74.75 hrs**	**Wed 19/04/23 08:30**	**Wed 26/04/23 09:45**		
2137			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2138			Accept Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Cryst-FT1,Cryst-SSFT1
2139			Open Manhole Covers	1.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 10:15	2138	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
2140			Carry out decontamination protocol	6 hrs	Wed 19/04/23 10:15	Wed 19/04/23 16:45	2139	Nicholas
2141			Complete Gas Analysis Test	0.5 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:15	2140	Lab
2142			Obtain Vessel Entry Permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	2141	Cryst-FT1,Cryst-SSFT1
2143			Clean And Dry Floor	20 hrs	Wed 19/04/23 17:30	Thu 20/04/23 13:30	2142	Operations
2144			Build Movable Scaffold (Scaffolding 8 Meter High)	8 hrs	Thu 20/04/23 13:30	Fri 21/04/23 10:30	2143	G Moeseraela,T Moloi,K Gabantogele
2145			Spark Test	8 hrs	Fri 21/04/23 10:30	Fri 21/04/23 18:30	2144	Corrocoat
2146			Inspect Fibreglass Lining And Repair Damaged Areas	6 hrs	Fri 21/04/23 18:30	Sat 22/04/23 00:30	2145	Corrocoat
2147			Repair Fibreglass If Required	8 hrs	Sat 22/04/23 00:30	Sat 22/04/23 08:30	2146	Corrocoat
2148			Remove Scaffold	4 hrs	Sat 22/04/23 08:30	Sat 22/04/23 13:00	2147	G Moeseraela,T Moloi,K Gabantogele
2149			Inspect Agitator & Repair Rubberlining If Necessary	37.5 hrs	Sat 22/04/23 13:00	Mon 24/04/23 16:00	2148	Corrocoat,Cryst-FT1,Cryst-SSFT1
2150			Inspect Gearbox	3 hrs	Mon 24/04/23 16:00	Tue 25/04/23 08:00	2149	Cryst-FT1,Cryst-SSFT1
2151			Check Gearbox Oil	2 hrs	Tue 25/04/23 08:00	Tue 25/04/23 10:00	2150	Cryst-FT1,Cryst-SSFT1
2152			Remove decontamination controls	6 hrs	Tue 25/04/23 10:00	Tue 25/04/23 16:30	2151	Nicholas
2153			Box Up Manhole Covers	4 hrs	Tue 25/04/23 16:30	Wed 26/04/23 09:30	2152	M-Crane 7Ton,Cryst-FT1,Cryst-SSFT1,G Moeseraela,T
2154			Clear Permits	0.25 hrs	Wed 26/04/23 09:30	Wed 26/04/23 09:45	2153	Cryst-FT1,Cryst-SSFT1
2155		**27B2GK03**	**# 3 CRYSTALISER AGITATOR - Inspect Gear box**	**10.5 hrs**	**Wed 26/04/23 11:15**	**Thu 27/04/23 11:15**	**2235**	
2156			Clean the area(prior)	0.25 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:30		Operations
2157			Make out permit	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	2156	Cryst-FT5,Cryst-SSFT5
2158			Accept permit to work	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	2157	Cryst-FT5,Cryst-SSFT5
2159			Carry out risk assesment	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	2158	Cryst-FT5,Cryst-SSFT5
2160			Loosen and remove the motor/gearbox coupling guard	1 hr	Wed 26/04/23 12:45	Wed 26/04/23 13:45	2159	Cryst-FT5,Cryst-SSFT5
2161			Inspect coupling	0.25 hrs	Wed 26/04/23 13:45	Wed 26/04/23 14:00	2160	Cryst-FT5,Cryst-SSFT5
2162			Drain oil	2 hrs	Wed 26/04/23 14:00	Wed 26/04/23 16:00	2161	Cryst-FT5,Cryst-SSFT5
2163			Inspect and service gearbox	1 hr	Wed 26/04/23 16:00	Wed 26/04/23 17:00	2162	Cryst-FT5,Cryst-SSFT5
2164			Re fill oil and replace filter cartridge	2 hrs	Wed 26/04/23 17:00	Thu 27/04/23 08:00	2163	Cryst-FT5,Cryst-SSFT5
2165			Repack stuffing box	2 hrs	Thu 27/04/23 08:00	Thu 27/04/23 10:00	2164	Cryst-FT5,Cryst-SSFT5
2166			Replace guard	1 hr	Thu 27/04/23 10:00	Thu 27/04/23 11:00	2165	Cryst-FT5,Cryst-SSFT5
2167			Clear permit	0.25 hrs	Thu 27/04/23 11:00	Thu 27/04/23 11:15	2166	Cryst-FT5,Cryst-SSFT5
2168		**27B2GA07**	**# A THICKENER FEED PUMP - Carry Out Inspection**	**9.75 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 07:45**		
2169			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2170			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2169	Carbo-FT9,Carbo-SSFT9
2171			Remove Guard	0.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:30	2170	Carbo-FT9,Carbo-SSFT9
2172			Inspect Coupling	1 hr	Wed 19/04/23 09:30	Wed 19/04/23 10:30	2171	Carbo-FT9,Carbo-SSFT9
2173			Check all mounting bolts	0.5 hrs	Wed 19/04/23 10:30	Wed 19/04/23 11:00	2172	Carbo-FT9,Carbo-SSFT9
2174			Check condition of the base	1 hr	Wed 19/04/23 11:00	Wed 19/04/23 12:00	2173	Carbo-FT9,Carbo-SSFT9
2175			Check all flanges both discharge& suction	0.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 13:00	2174	Carbo-FT9,Carbo-SSFT9

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2176			Inspect all belows	1 hr	Wed 19/04/23 13:00	Wed 19/04/23 14:00	2175	Carbo-FT9,Carbo-SSFT9
2177			Drain & Refill Oil	1 hr	Wed 19/04/23 14:00	Wed 19/04/23 15:00	2176	Carbo-FT9,Carbo-SSFT9
2178			Repack glands	1 hr	Wed 19/04/23 15:00	Wed 19/04/23 16:00	2177	Carbo-FT9,Carbo-SSFT9
2179			Carry Out or cross check Laser Alignment	2 hrs	Wed 19/04/23 16:00	Wed 19/04/23 18:00	2178	Reliability
2180			Replace Guard	0.5 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:30	2179	Carbo-FT9,Carbo-SSFT9
2181			Clear Permit	0.25 hrs	Thu 20/04/23 07:30	Thu 20/04/23 07:45	2180	Carbo-FT9,Carbo-SSFT9
2182		**27B2GA03**	**# B THICKENER FEED PUMP - Overhaul pump**	**16.25 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 14:45**		
2183			Make Out Permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2184			Accept Permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2183	Cryst-FT5,Cryst-SSFT5
2185			Loosen Bolts	1.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 10:30	2184	Cryst-FT5,Cryst-SSFT5
2186			Remove Guard	0.5 hrs	Wed 19/04/23 10:30	Wed 19/04/23 11:00	2185	Cryst-FT5,Cryst-SSFT5
2187			Remove Pump	2 hrs	Wed 19/04/23 11:00	Wed 19/04/23 13:30	2186	M-Crane 7Ton,Carbo-FT6,G Moeseraela,T Moloi,K Gal
2188			Transport Pump To Workshop	0.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 14:00	2187	M-Crane 7Ton,Rig (Carb
2189			Strip Out And Overhaul Pump	6 hrs	Wed 19/04/23 14:00	Thu 20/04/23 09:00	2188	Cryst-FT5,Cryst-SSFT5
2190			Transport Pump To Plant	0.5 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:30	2189	G Moeseraela,T Moloi,K Gabantogele
2191			Install And Secure Pump	2 hrs	Thu 20/04/23 09:30	Thu 20/04/23 11:30	2190	Carbo-FT5,M-Crane 7Ton,SCarbo-FT6,G Moeseraela,T
2192			Align Pump	2 hrs	Thu 20/04/23 11:30	Thu 20/04/23 14:00	2191	Carbo-FT5,Reliability,SCarbo-FT6
2193			Replace Guard	0.5 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:30	2192	Cryst-FT5,Cryst-SSFT5
2194			Clear Permit	0.25 hrs	Thu 20/04/23 14:30	Thu 20/04/23 14:45	2193	Cryst-FT5,Cryst-SSFT5
2195		**27B2FB05**	**HYDRAULIC SYSTEM - Service, Repair Leaks**	**22.5 hrs**	**Thu 20/04/23 14:45**	**Sat 22/04/23 16:15**	**2182**	
2196			Make out permit	0.25 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:00		Operations
2197			Accept permit	0.25 hrs	Thu 20/04/23 15:00	Thu 20/04/23 15:15	2196	Cryst-FT5,Cryst-SSFT5
2198			Carry out risk assement	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	2197	Cryst-FT5,Cryst-SSFT5
2199			Disconnect motors	1 hr	Thu 20/04/23 15:30	Thu 20/04/23 16:30	2198	Elec
2200			Rig out motors	0.5 hrs	Thu 20/04/23 16:30	Thu 20/04/23 17:00	2199	A.SSFitter,A.Fitter,T Moloi,K Gabantogele,G Moeserae
2201			Drain oil	1 hr	Thu 20/04/23 17:00	Thu 20/04/23 18:00	2200	Fluid Systems
2202			Disconnect discharge pipe	0.5 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:30	2201	Fluid Systems
2203			Open top cover	0.5 hrs	Fri 21/04/23 07:30	Fri 21/04/23 08:00	2202	Fluid Systems
2204			Clean tank	1.5 hrs	Fri 21/04/23 08:00	Fri 21/04/23 09:30	2203	Fluid Systems
2205			Modify main tank and Change hydraulic pumps	8 hrs	Fri 21/04/23 09:30	Fri 21/04/23 18:00	2204	Fluid Systems
2206			Box up	1.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 08:30	2205	Fluid Systems
2207			Mount motors	0.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 09:00	2206	Fluid Systems
2208			Connect motors	1 hr	Sat 22/04/23 09:00	Sat 22/04/23 10:00	2207	Elec
2209			Fill oil	1 hr	Sat 22/04/23 10:00	Sat 22/04/23 11:00	2208	Fluid Systems
2210			Housekeeping	0.5 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:30	2209	Fluid Systems
2211			Check direction& repair oil leaks	4 hrs	Sat 22/04/23 11:30	Sat 22/04/23 16:00	2210	Fluid Systems
2212			Clear test run permit	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15	2211	Cryst-FT5,Cryst-SSFT5
2213		**27B2ST01**	**PLANT STRUCTURES - Replace valve inserts 200Mm**	**12.5 hrs**	**Sat 22/04/23 16:15**	**Mon 24/04/23 07:15**	**2195**	
2214			Make out permit	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30		Operations
2215			Accept permit	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	2214	Cryst-FT5,Cryst-SSFT5
2216			Carry out risk assement	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00	2215	Cryst-FT5,Cryst-SSFT5
2217			Loosen bolts	3 hrs	Sat 22/04/23 17:00	Sun 23/04/23 09:00	2216	Cryst-FT5,Cryst-SSFT5
2218			remove sleeve	3 hrs	Sun 23/04/23 09:00	Sun 23/04/23 12:00	2217	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
2219			Replace sleeve	3 hrs	Sun 23/04/23 12:30	Sun 23/04/23 15:30	2218	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
2220			Secure sleeve	2 hrs	Sun 23/04/23 15:30	Sun 23/04/23 17:30	2219	Cryst-FT5,Cryst-SSFT5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2221			Housekeeping	0.25 hrs	Sun 23/04/23 17:30	Sun 23/04/23 17:45	2220	Cryst-FT5,Cryst-SSFT5
2222			Clear permit	0.25 hrs	Sun 23/04/23 17:45	Sun 23/04/23 18:00	2221	Cryst-FT5,Cryst-SSFT5
2223			Hand over plant	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	2222	Cryst-FT5,Cryst-SSFT5
2224		**27B2ST01**	**PLANT STRUCTURES - Replace valve inserts 250Mm**	**12.5 hrs**	**Mon 24/04/23 07:15**	**Tue 25/04/23 09:15**	**2213**	
2225			Make out permit	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30		Operations
2226			Accept permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45	2225	Cryst-FT5,Cryst-SSFT5
2227			Carry out risk assement	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	2226	Cryst-FT5,Cryst-SSFT5
2228			Loosen bolts	3 hrs	Mon 24/04/23 08:00	Mon 24/04/23 11:00	2227	Cryst-FT5,Cryst-SSFT5
2229			remove sleeve	3 hrs	Mon 24/04/23 11:00	Mon 24/04/23 14:30	2228	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
2230			Replace sleeve	3 hrs	Mon 24/04/23 14:30	Mon 24/04/23 17:30	2229	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
2231			Secure sleeve	2 hrs	Mon 24/04/23 17:30	Tue 25/04/23 08:30	2230	Cryst-FT5,Cryst-SSFT5
2232			house keeping	0.25 hrs	Tue 25/04/23 08:30	Tue 25/04/23 08:45	2231	Cryst-FT5,Cryst-SSFT5
2233			Clear permit	0.25 hrs	Tue 25/04/23 08:45	Tue 25/04/23 09:00	2232	Cryst-FT5,Cryst-SSFT5
2234			Hand over plant	0.25 hrs	Tue 25/04/23 09:00	Tue 25/04/23 09:15	2233	Cryst-FT5,Cryst-SSFT5
2235		**27B2ST01**	**PLANT STRUCTURES - Replace valve inserts 400Mm**	**12.5 hrs**	**Tue 25/04/23 09:15**	**Wed 26/04/23 11:15**	**2224**	
2236			Make out permit	0.25 hrs	Tue 25/04/23 09:15	Tue 25/04/23 09:30		Operations
2237			Accept permit	0.25 hrs	Tue 25/04/23 09:30	Tue 25/04/23 09:45	2236	Cryst-FT5,Cryst-SSFT5
2238			Carry out risk assement	0.25 hrs	Tue 25/04/23 09:45	Tue 25/04/23 10:00	2237	Cryst-FT5,Cryst-SSFT5
2239			Loosen bolts	3 hrs	Tue 25/04/23 10:00	Tue 25/04/23 13:30	2238	Cryst-FT5,Cryst-SSFT5
2240			remove sleeve	3 hrs	Tue 25/04/23 13:30	Tue 25/04/23 16:30	2239	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
2241			Replace sleeve	3 hrs	Tue 25/04/23 16:30	Wed 26/04/23 08:30	2240	Carbo-FT6,G Moeseraela,T Moloi,K Gabantogele
2242			Secure sleeve	2 hrs	Wed 26/04/23 08:30	Wed 26/04/23 10:30	2241	Cryst-FT5,Cryst-SSFT5
2243			house keeping	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45	2242	Cryst-FT5,Cryst-SSFT5
2244			Clear permit	0.25 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:00	2243	Cryst-FT5,Cryst-SSFT5
2245			Hand over plant	0.25 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:15	2244	Cryst-FT5,Cryst-SSFT5
2246		**27B2ST01**	**PLANT STRUCTURES - Repair leak on steam trap line by Crystalliser #3**	**5.25 hrs**	**Wed 19/04/23 08:30**	**Wed 19/04/23 14:15**		
2247			Make out permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45		Operations
2248			Accept permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2247	M Ramatlhakeng,S Monna
2249			Carry out risk assement	0.25 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:15	2248	M Ramatlhakeng,S Monna
2250			Cut off leaking steam trap pipe	1 hr	Wed 19/04/23 09:15	Wed 19/04/23 10:15	2249	M Ramatlhakeng,S Monna
2251			Weld in new pipe	3 hrs	Wed 19/04/23 10:15	Wed 19/04/23 13:45	2250	Weld (Ash)
2252			Housekeeping	0.25 hrs	Wed 19/04/23 13:45	Wed 19/04/23 14:00	2251	M Ramatlhakeng,S Monna
2253			Clear permit	0.25 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:15	2252	M Ramatlhakeng,S Monna,Operations
2254			**ELECTRICAL**	**86.25 hrs**	**Mon 24/04/23 11:00**	**Tue 02/05/23 13:45**	**1922**	
2255		**27B2GA03**	**BICARBONATION THICKNER FEED PUMP A - Carry out general Electrical inspections**	**5 hrs**	**Wed 26/04/23 11:15**	**Wed 26/04/23 16:45**	**6175**	
2256			Make Out Permit	0.25 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:30		Operations
2257			Accept Permit	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	2256	Ash-Elec2,Ash-SSElec2
2258			Carry Out Electrical Isolation	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	2257	Ash-Elec2,Ash-SSElec2
2259			Replace stainless steel box	1 hr	Wed 26/04/23 12:30	Wed 26/04/23 13:30	2258	Ash-Elec2,Ash-SSElec2
2260			Check Loose Connections In The Panel	0.25 hrs	Wed 26/04/23 13:30	Wed 26/04/23 13:45	2259	Ash-Elec2,Ash-SSElec2
2261			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Wed 26/04/23 13:45	Wed 26/04/23 14:00	2260	Ash-Elec2,Ash-SSElec2
2262			Confirm Correct Setting Of Protections	0.25 hrs	Wed 26/04/23 14:00	Wed 26/04/23 14:15	2261	Ash-Elec2,Ash-SSElec2
2263			Connect motor and stop-start cables	0.5 hrs	Wed 26/04/23 14:15	Wed 26/04/23 14:45	2262	Ash-Elec2,Ash-SSElec2
2264			Check Motor Fan Condition	0.5 hrs	Wed 26/04/23 14:45	Wed 26/04/23 15:15	2263	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2265			Replace cowling mesh	0.5 hrs	Wed 26/04/23 15:15	Wed 26/04/23 15:45	2264	Elec (Ash),M Ramatlhakeng,S Monna
2266			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00	2265	Ash-Elec2,Ash-SSElec2
2267			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15	2266	Ash-Elec2,Ash-SSElec2
2268			Seal For Moisture And Dust.	0.25 hrs	Wed 26/04/23 16:15	Wed 26/04/23 16:30	2267	Ash-Elec2,Ash-SSElec2
2269			Clear Permit	0.25 hrs	Wed 26/04/23 16:30	Wed 26/04/23 16:45	2268	Ash-Elec2,Ash-SSElec2
2270		**27B2GA03**	**BICARBONATION THICKNER FEED PUMP B - Carry out general Electrical inspections**	**7 hrs**	**Wed 26/04/23 16:45**	**Thu 27/04/23 13:15**	**2255**	
2271			Make Out Permit	0.25 hrs	Wed 26/04/23 16:45	Wed 26/04/23 17:00		Operations
2272			Accept Permit	0.25 hrs	Wed 26/04/23 17:00	Wed 26/04/23 17:15	2271	Ash-Elec2,Ash-SSElec2
2273			Carry Out Electrical Isolation	0.25 hrs	Wed 26/04/23 17:15	Wed 26/04/23 17:30	2272	Ash-Elec2,Ash-SSElec2
2274			Replace stainless steel box	1 hr	Wed 26/04/23 17:30	Thu 27/04/23 07:30	2273	Ash-Elec2,Ash-SSElec2
2275			Check Loose Connections In The Panel	0.25 hrs	Thu 27/04/23 07:30	Thu 27/04/23 07:45	2274	Ash-Elec2,Ash-SSElec2
2276			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 27/04/23 07:45	Thu 27/04/23 08:00	2275	Ash-Elec2,Ash-SSElec2
2277			Confirm Correct Setting Of Protections	0.25 hrs	Thu 27/04/23 08:00	Thu 27/04/23 08:15	2276	Ash-Elec2,Ash-SSElec2
2278			Service Stop/Start	0.5 hrs	Thu 27/04/23 08:15	Thu 27/04/23 08:45	2277	Ash-Elec2,Ash-SSElec2
2279			Mount junction box	2 hrs	Thu 27/04/23 08:45	Thu 27/04/23 10:45	2278	Ash-Elec2,Ash-SSElec2
2280			Connect motor and stop-start cables	0.5 hrs	Thu 27/04/23 10:45	Thu 27/04/23 11:15	2279	Ash-Elec2,Ash-SSElec2
2281			Check Motor Fan Condition	0.5 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:45	2280	Ash-Elec2,Ash-SSElec2
2282			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	2281	Ash-Elec2,Ash-SSElec2
2283			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	2282	Ash-Elec2,Ash-SSElec2
2284			Seal For Moisture And Dust.	0.25 hrs	Thu 27/04/23 12:45	Thu 27/04/23 13:00	2283	Ash-Elec2,Ash-SSElec2
2285			Clear Permit	0.25 hrs	Thu 27/04/23 13:00	Thu 27/04/23 13:15	2284	Ash-Elec2,Ash-SSElec2
2286		**27B2GA01**	**# 1 CRYSTALISER FEED PUMP A - Carry out general Electrical inspections**	**7 hrs**	**Thu 27/04/23 13:15**	**Fri 28/04/23 09:15**	**2270**	
2287			Make Out Permit	0.25 hrs	Thu 27/04/23 13:15	Thu 27/04/23 13:30		Operations
2288			Accept Permit	0.25 hrs	Thu 27/04/23 13:30	Thu 27/04/23 13:45	2287	Ash-Elec2,Ash-SSElec2
2289			Carry Out Electrical Isolation	0.25 hrs	Thu 27/04/23 13:45	Thu 27/04/23 14:00	2288	Ash-Elec2,Ash-SSElec2
2290			Disconnect and remove motor and send for repairs	2 hrs	Thu 27/04/23 14:00	Thu 27/04/23 16:00	2289	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2291			Check Loose Connections In The Panel	0.25 hrs	Thu 27/04/23 16:00	Thu 27/04/23 16:15	2290	Ash-Elec2,Ash-SSElec2
2292			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Thu 27/04/23 16:15	Thu 27/04/23 16:30	2291	Ash-Elec2,Ash-SSElec2
2293			Confirm Correct Setting Of Protections	0.25 hrs	Thu 27/04/23 16:30	Thu 27/04/23 16:45	2292	Ash-Elec2,Ash-SSElec2
2294			Service Stop/Start	0.5 hrs	Thu 27/04/23 16:45	Thu 27/04/23 17:15	2293	Ash-Elec2,Ash-SSElec2
2295			Install and connect motor	2 hrs	Thu 27/04/23 17:15	Fri 28/04/23 08:15	2294	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2296			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 28/04/23 08:15	Fri 28/04/23 08:30	2295	Ash-Elec2,Ash-SSElec2
2297			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 28/04/23 08:30	Fri 28/04/23 08:45	2296	Ash-Elec2,Ash-SSElec2
2298			Seal For Moisture And Dust.	0.25 hrs	Fri 28/04/23 08:45	Fri 28/04/23 09:00	2297	Ash-Elec2,Ash-SSElec2
2299			Clear Permit	0.25 hrs	Fri 28/04/23 09:00	Fri 28/04/23 09:15	2298	Ash-Elec2,Ash-SSElec2
2300		**27B2GA01**	**# 1 CRYSTALISER FEED PUMP B - Carry out general Electrical inspections**	**8 hrs**	**Fri 28/04/23 09:15**	**Fri 28/04/23 17:45**	**2286**	
2301			Make Out Permit	0.25 hrs	Fri 28/04/23 09:15	Fri 28/04/23 09:30		Operations
2302			Accept Permit	0.25 hrs	Fri 28/04/23 09:30	Fri 28/04/23 09:45	2301	Ash-Elec2,Ash-SSElec2
2303			Carry Out Electrical Isolation	0.25 hrs	Fri 28/04/23 09:45	Fri 28/04/23 10:00	2302	Ash-Elec2,Ash-SSElec2
2304			Disconnect and remove motor and send for repairs	2 hrs	Fri 28/04/23 10:00	Fri 28/04/23 12:00	2303	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2305			Check Loose Connections In The Panel	0.25 hrs	Fri 28/04/23 12:30	Fri 28/04/23 12:45	2304	Ash-Elec2,Ash-SSElec2
2306			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Fri 28/04/23 12:45	Fri 28/04/23 13:00	2305	Ash-Elec2,Ash-SSElec2
2307			Confirm Correct Setting Of Protections	0.25 hrs	Fri 28/04/23 13:00	Fri 28/04/23 13:15	2306	Ash-Elec2,Ash-SSElec2
2308			Replace with stainless steel box	1 hr	Fri 28/04/23 13:15	Fri 28/04/23 14:15	2307	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2309			Service Stop/Start	0.5 hrs	Fri 28/04/23 14:15	Fri 28/04/23 14:45	2308	Ash-Elec2,Ash-SSElec2
2310			Install and connect motor	2 hrs	Fri 28/04/23 14:45	Fri 28/04/23 16:45	2309	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2311			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 28/04/23 16:45	Fri 28/04/23 17:00	2310	Ash-Elec2,Ash-SSElec2
2312			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 28/04/23 17:00	Fri 28/04/23 17:15	2311	Ash-Elec2,Ash-SSElec2
2313			Seal For Moisture And Dust.	0.25 hrs	Fri 28/04/23 17:15	Fri 28/04/23 17:30	2312	Ash-Elec2,Ash-SSElec2
2314			Clear Permit	0.25 hrs	Fri 28/04/23 17:30	Fri 28/04/23 17:45	2313	Ash-Elec2,Ash-SSElec2
2315		**27B2GA01**	**# 2 CRYSTALISER FEED PUMP A - Carry out general Electrical inspections**	**9.5 hrs**	**Fri 28/04/23 17:45**	**Sat 29/04/23 16:45**	**2300**	
2316			Fabricate junction box prior	0 hrs	Fri 28/04/23 17:45	Fri 28/04/23 17:45		M Ramatlhakeng,S Monna
2317			Make Out Permit	0.25 hrs	Fri 28/04/23 17:45	Fri 28/04/23 18:00	2316	Operations
2318			Accept Permit	0.25 hrs	Sat 29/04/23 07:00	Sat 29/04/23 07:15	2317	Ash-Elec2,Ash-SSElec2
2319			Carry Out Electrical Isolation	0.25 hrs	Sat 29/04/23 07:15	Sat 29/04/23 07:30	2318	Ash-Elec2,Ash-SSElec2
2320			Check Loose Connections In The Panel	0.25 hrs	Sat 29/04/23 07:30	Sat 29/04/23 07:45	2319	Ash-Elec2,Ash-SSElec2
2321			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sat 29/04/23 07:45	Sat 29/04/23 08:00	2320	Ash-Elec2,Ash-SSElec2
2322			Confirm Correct Setting Of Protections	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	2321	Ash-Elec2,Ash-SSElec2
2323			Replace with stainless steel box	1 hr	Sat 29/04/23 08:15	Sat 29/04/23 09:15	2322	Ash-Elec2,Ash-SSElec2
2324			Service Stop/Start	0.5 hrs	Sat 29/04/23 08:15	Sat 29/04/23 08:45	2322	Ash-Elec2,Ash-SSElec2
2325			Mount junction box	2 hrs	Sat 29/04/23 08:45	Sat 29/04/23 10:45	2324	Ash-Elec2,Ash-SSElec2
2326			Carry out cable termination	4 hrs	Sat 29/04/23 10:45	Sat 29/04/23 15:15	2325	Ash-Elec2,Ash-SSElec2
2327			Check Motor Fan Condition	0.5 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:45	2326	Ash-Elec2,Ash-SSElec2
2328			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:00	2327	Ash-Elec2,Ash-SSElec2
2329			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:15	2328	Ash-Elec2,Ash-SSElec2
2330			Seal For Moisture And Dust.	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30	2329	Ash-Elec2,Ash-SSElec2
2331			Clear Permit	0.25 hrs	Sat 29/04/23 16:30	Sat 29/04/23 16:45	2330	Ash-Elec2,Ash-SSElec2
2332		**27B2GA01**	**# 2 CRYSTALISER FEED PUMP B - Carry out general Electrical inspections**	**9.5 hrs**	**Sat 29/04/23 16:45**	**Sun 30/04/23 15:45**	**2315**	
2333			Fabricate junction box prior	0 hrs	Sat 29/04/23 16:45	Sat 29/04/23 16:45		M Ramatlhakeng,S Monna
2334			Make Out Permit	0.25 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:00	2333	Operations
2335			Accept Permit	0.25 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:15	2334	Ash-Elec2,Ash-SSElec2
2336			Carry Out Electrical Isolation	0.25 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:30	2335	Ash-Elec2,Ash-SSElec2
2337			Check Loose Connections In The Panel	0.25 hrs	Sat 29/04/23 17:30	Sat 29/04/23 17:45	2336	Ash-Elec2,Ash-SSElec2
2338			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	2337	Ash-Elec2,Ash-SSElec2
2339			Confirm Correct Setting Of Protections	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	2338	Ash-Elec2,Ash-SSElec2
2340			Replace with stainless steel box	1 hr	Sun 30/04/23 07:15	Sun 30/04/23 08:15	2339	Ash-Elec2,Ash-SSElec2
2341			Service Stop/Start	0.5 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:45	2339	Ash-Elec2,Ash-SSElec2
2342			Mount junction box	2 hrs	Sun 30/04/23 07:45	Sun 30/04/23 09:45	2341	Ash-Elec2,Ash-SSElec2
2343			Carry out cable termination	4 hrs	Sun 30/04/23 09:45	Sun 30/04/23 14:15	2342	Ash-Elec2,Ash-SSElec2
2344			Check Motor Fan Condition	0.5 hrs	Sun 30/04/23 14:15	Sun 30/04/23 14:45	2343	Ash-Elec2,Ash-SSElec2
2345			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 30/04/23 14:45	Sun 30/04/23 15:00	2344	Ash-Elec2,Ash-SSElec2
2346			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Sun 30/04/23 15:00	Sun 30/04/23 15:15	2345	Ash-Elec2,Ash-SSElec2
2347			Seal For Moisture And Dust.	0.25 hrs	Sun 30/04/23 15:15	Sun 30/04/23 15:30	2346	Ash-Elec2,Ash-SSElec2
2348			Clear Permit	0.25 hrs	Sun 30/04/23 15:30	Sun 30/04/23 15:45	2347	Ash-Elec2,Ash-SSElec2
2349		**27B2GA02**	**# 3 CRYSTALISER FEED PUMP A - Carry out general Electrical inspections**	**4.5 hrs**	**Sun 30/04/23 15:45**	**Mon 01/05/23 09:15**	**2332**	
2350			Make Out Permit	0.25 hrs	Sun 30/04/23 15:45	Sun 30/04/23 16:00		Operations
2351			Accept Permit	0.25 hrs	Sun 30/04/23 16:00	Sun 30/04/23 16:15	2350	Ash-Elec2,Ash-SSElec2
2352			Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:30	2351	Ash-Elec2,Ash-SSElec2
2353			Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 16:30	Sun 30/04/23 16:45	2352	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2354			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:00	2353	Ash-Elec2,Ash-SSElec2
2355			Confirm Correct Setting Of Protections	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15	2354	Ash-Elec2,Ash-SSElec2
2356			Replace with stainless steel box	1 hr	Sun 30/04/23 17:15	Mon 01/05/23 07:15	2355	Ash-Elec2,Ash-SSElec2
2357			Service Stop/Start	0.5 hrs	Mon 01/05/23 07:15	Mon 01/05/23 07:45	2356	Ash-Elec2,Ash-SSElec2
2358			Check Motor Fan Condition	0.5 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:15	2357	Ash-Elec2,Ash-SSElec2
2359			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 01/05/23 08:15	Mon 01/05/23 08:30	2358	Ash-Elec2,Ash-SSElec2
2360			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 01/05/23 08:30	Mon 01/05/23 08:45	2359	Ash-Elec2,Ash-SSElec2
2361			Seal For Moisture And Dust.	0.25 hrs	Mon 01/05/23 08:45	Mon 01/05/23 09:00	2360	Ash-Elec2,Ash-SSElec2
2362			Clear Permit	0.25 hrs	Mon 01/05/23 09:00	Mon 01/05/23 09:15	2361	Ash-Elec2,Ash-SSElec2
2363		**27B2GA02**	**# 3 CRYSTALISER FEED PUMP B - Carry out general Electrical inspections**	**4.5 hrs**	**Mon 01/05/23 09:15**	**Mon 01/05/23 14:15**	**2349**	
2364			Make Out Permit	0.25 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:30		Operations
2365			Accept Permit	0.25 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:45	2364	Ash-Elec2,Ash-SSElec2
2366			Carry Out Electrical Isolation	0.25 hrs	Mon 01/05/23 09:45	Mon 01/05/23 10:00	2365	Ash-Elec2,Ash-SSElec2
2367			Check Loose Connections In The Panel	0.25 hrs	Mon 01/05/23 10:00	Mon 01/05/23 10:15	2366	Ash-Elec2,Ash-SSElec2
2368			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Mon 01/05/23 10:15	Mon 01/05/23 10:30	2367	Ash-Elec2,Ash-SSElec2
2369			Confirm Correct Setting Of Protections	0.25 hrs	Mon 01/05/23 10:30	Mon 01/05/23 10:45	2368	Ash-Elec2,Ash-SSElec2
2370			Replace with stainless steel box	1 hr	Mon 01/05/23 10:45	Mon 01/05/23 11:45	2369	Ash-Elec2,Ash-SSElec2
2371			Service Stop/Start	0.5 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:45	2370	Ash-Elec2,Ash-SSElec2
2372			Check Motor Fan Condition	0.5 hrs	Mon 01/05/23 12:45	Mon 01/05/23 13:15	2371	Ash-Elec2,Ash-SSElec2
2373			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30	2372	Ash-Elec2,Ash-SSElec2
2374			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45	2373	Ash-Elec2,Ash-SSElec2
2375			Seal For Moisture And Dust.	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	2374	Ash-Elec2,Ash-SSElec2
2376			Clear Permit	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	2375	Ash-Elec2,Ash-SSElec2
2377		**27A2GK02**	**CRYSTALISER AGITATOR # 1 - Carry out general Electrical inspections**	**5 hrs**	**Mon 01/05/23 14:15**	**Tue 02/05/23 08:15**	**2363**	
2378			Make Out Permit	0.25 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:30		Operations
2379			Accept Permit	0.25 hrs	Mon 01/05/23 14:30	Mon 01/05/23 14:45	2378	Ash-Elec2,Ash-SSElec2
2380			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	2379	Ash-Elec2,Ash-SSElec2
2381			Carry Out Electrical Isolation	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15	2380	Ash-Elec2,Ash-SSElec2
2382			Replace with stainless steel box	1 hr	Mon 01/05/23 15:15	Mon 01/05/23 16:15	2381	Ash-Elec2,Ash-SSElec2
2383			Service Stop/Start	0.25 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:30	2382	Ash-Elec2,Ash-SSElec2
2384			Check Motor Fan Condition & Terminal Connections	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45	2383	Ash-Elec2,Ash-SSElec2
2385			Confirm Correct Setting Of Protections	0.25 hrs	Mon 01/05/23 16:45	Mon 01/05/23 17:00	2384	Ash-Elec2,Ash-SSElec2
2386			Check Cable Terminal Leads For Over Heating	0.5 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:30	2385	Ash-Elec2,Ash-SSElec2
2387			Service Auxiliary Drive Panel & Motor	1 hr	Mon 01/05/23 17:30	Tue 02/05/23 07:30	2386	Ash-Elec2,Ash-SSElec2
2388			Confirm Auxiliary Drive Protections Setting	0.25 hrs	Tue 02/05/23 07:30	Tue 02/05/23 07:45	2387	Ash-Elec2,Ash-SSElec2
2389			Seal For Moisture And Dust.	0.25 hrs	Tue 02/05/23 07:45	Tue 02/05/23 08:00	2388	Ash-Elec2,Ash-SSElec2
2390			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Tue 02/05/23 08:00	Tue 02/05/23 08:15	2389	Ash-Elec2,Ash-SSElec2
2391		**27A2GK02**	**CRYSTALISER AGITATOR # 2 - Carry out general Electrical inspections**	**5 hrs**	**Tue 02/05/23 08:15**	**Tue 02/05/23 13:45**	**2377**	
2392			Make Out Permit	0.25 hrs	Tue 02/05/23 08:15	Tue 02/05/23 08:30		Operations
2393			Accept Permit	0.25 hrs	Tue 02/05/23 08:30	Tue 02/05/23 08:45	2392	Ash-Elec2,Ash-SSElec2
2394			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Tue 02/05/23 08:45	Tue 02/05/23 09:00	2393	Ash-Elec2,Ash-SSElec2
2395			Carry Out Electrical Isolation	0.25 hrs	Tue 02/05/23 09:00	Tue 02/05/23 09:15	2394	Ash-Elec2,Ash-SSElec2
2396			Replace with stainless steel box	1 hr	Tue 02/05/23 09:15	Tue 02/05/23 10:15	2395	Ash-Elec2,Ash-SSElec2
2397			Service Stop/Start	0.25 hrs	Tue 02/05/23 10:15	Tue 02/05/23 10:30	2396	Ash-Elec2,Ash-SSElec2
2398			Check Motor Fan Condition & Terminal Connections	0.25 hrs	Tue 02/05/23 10:30	Tue 02/05/23 10:45	2397	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2399			Confirm Correct Setting Of Protections	0.25 hrs	Tue 02/05/23 10:45	Tue 02/05/23 11:00	2398	Ash-Elec2,Ash-SSElec2
2400			Check Cable Terminal Leads For Over Heating	0.5 hrs	Tue 02/05/23 11:00	Tue 02/05/23 11:30	2399	Ash-Elec2,Ash-SSElec2
2401			Service Auxiliary Drive Panel & Motor	1 hr	Tue 02/05/23 11:30	Tue 02/05/23 13:00	2400	Ash-Elec2,Ash-SSElec2
2402			Confirm Auxiliary Drive Protections Setting	0.25 hrs	Tue 02/05/23 13:00	Tue 02/05/23 13:15	2401	Ash-Elec2,Ash-SSElec2
2403			Seal For Moisture And Dust.	0.25 hrs	Tue 02/05/23 13:15	Tue 02/05/23 13:30	2402	Ash-Elec2,Ash-SSElec2
2404			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Tue 02/05/23 13:30	Tue 02/05/23 13:45	2403	Ash-Elec2,Ash-SSElec2
2405		**27A2GK01**	**CRYSTALLISER AGITATOR # 3 - Carry out general Electrical inspections**	**5 hrs**	**Mon 24/04/23 11:00**	**Mon 24/04/23 16:30**	**3432**	
2406			Make Out Permit	0.25 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:15		Operations
2407			Accept Permit	0.25 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:30	2406	Ash-Elec2,Ash-SSElec2
2408			Prepare Clearence Certificate And Earth Circuit	0.25 hrs	Mon 24/04/23 11:30	Mon 24/04/23 11:45	2407	Ash-Elec2,Ash-SSElec2
2409			Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	2408	Ash-Elec2,Ash-SSElec2
2410			Replace with stainless steel box	1 hr	Mon 24/04/23 12:30	Mon 24/04/23 13:30	2409	Ash-Elec2,Ash-SSElec2
2411			Service Stop/Start	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	2410	Ash-Elec2,Ash-SSElec2
2412			Check Motor Fan Condition & Terminal Connections	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	2411	Ash-Elec2,Ash-SSElec2
2413			Confirm Correct Setting Of Protections	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	2412	Ash-Elec2,Ash-SSElec2
2414			Check Cable Terminal Leads For Over Heating	0.5 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:45	2413	Ash-Elec2,Ash-SSElec2
2415			Service Auxiliary Drive Panel & Motor	1 hr	Mon 24/04/23 14:45	Mon 24/04/23 15:45	2414	Ash-Elec2,Ash-SSElec2
2416			Confirm Auxiliary Drive Protections Setting	0.25 hrs	Mon 24/04/23 15:45	Mon 24/04/23 16:00	2415	Ash-Elec2,Ash-SSElec2
2417			Seal For Moisture And Dust.	0.25 hrs	Mon 24/04/23 16:00	Mon 24/04/23 16:15	2416	Ash-Elec2,Ash-SSElec2
2418			Clear Permit And Electrical Clearence Certificate	0.25 hrs	Mon 24/04/23 16:15	Mon 24/04/23 16:30	2417	Ash-Elec2,Ash-SSElec2
2419		**27B2GA05**	**HYDRAULIC OIL PUMP A - Carry out general Electrical inspections**	**5.5 hrs**	**Mon 24/04/23 16:30**	**Tue 25/04/23 11:00**	**2405**	
2420			Make Out Permit	0.25 hrs	Mon 24/04/23 16:30	Mon 24/04/23 16:45		Operations
2421			Accept Permit	0.25 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:00	2420	Ash-Elec2,Ash-SSElec2
2422			Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 17:00	Mon 24/04/23 17:15	2421	Ash-Elec2,Ash-SSElec2
2423			Check Loose Connections In The Panel	0.25 hrs	Mon 24/04/23 17:15	Mon 24/04/23 17:30	2422	Ash-Elec2,Ash-SSElec2
2424			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Mon 24/04/23 17:30	Mon 24/04/23 17:45	2423	Ash-Elec2,Ash-SSElec2
2425			Confirm Correct Setting Of Protections	0.25 hrs	Mon 24/04/23 17:45	Mon 24/04/23 18:00	2424	Ash-Elec2,Ash-SSElec2
2426			Remove and send motor for repairs	4 hrs	Tue 25/04/23 07:00	Tue 25/04/23 11:00	2425	Ash-Elec2,Ash-SSElec2
2427			Service Stop/Start	0.5 hrs	Tue 25/04/23 07:00	Tue 25/04/23 07:30	2425	Ash-Elec2,Ash-SSElec2
2428			Install cable racks	2 hrs	Tue 25/04/23 07:30	Tue 25/04/23 09:30	2427	M Ramatlhakeng,S Monna
2429			Check Motor Fan Condition	0.5 hrs	Tue 25/04/23 09:30	Tue 25/04/23 10:00	2428	Ash-Elec2,Ash-SSElec2
2430			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 25/04/23 10:00	Tue 25/04/23 10:15	2429	Ash-Elec2,Ash-SSElec2
2431			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Tue 25/04/23 10:15	Tue 25/04/23 10:30	2430	Ash-Elec2,Ash-SSElec2
2432			Seal For Moisture And Dust.	0.25 hrs	Tue 25/04/23 10:30	Tue 25/04/23 10:45	2431	Ash-Elec2,Ash-SSElec2
2433			Clear Permit	0.25 hrs	Tue 25/04/23 10:45	Tue 25/04/23 11:00	2432	Ash-Elec2,Ash-SSElec2
2434		**27B2GA05**	**HYDRAULIC OIL PUMP B - Carry out general Electrical inspections**	**7.5 hrs**	**Tue 25/04/23 11:00**	**Wed 26/04/23 08:00**	**2419**	
2435			Make Out Permit	0.25 hrs	Tue 25/04/23 11:00	Tue 25/04/23 11:15		Operations
2436			Accept Permit	0.25 hrs	Tue 25/04/23 11:15	Tue 25/04/23 11:30	2435	Ash-Elec2,Ash-SSElec2
2437			Carry Out Electrical Isolation	0.25 hrs	Tue 25/04/23 11:30	Tue 25/04/23 11:45	2436	Ash-Elec2,Ash-SSElec2
2438			Check Loose Connections In The Panel	0.25 hrs	Tue 25/04/23 11:45	Tue 25/04/23 12:00	2437	Ash-Elec2,Ash-SSElec2
2439			Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Tue 25/04/23 12:30	Tue 25/04/23 12:45	2438	Ash-Elec2,Ash-SSElec2
2440			Confirm Correct Setting Of Protections	0.25 hrs	Tue 25/04/23 12:45	Tue 25/04/23 13:00	2439	Ash-Elec2,Ash-SSElec2
2441			Remove and send motor for repairs	4 hrs	Tue 25/04/23 13:00	Tue 25/04/23 17:00	2440	Ash-Elec2,Ash-SSElec2
2442			Service Stop/Start	0.5 hrs	Tue 25/04/23 17:00	Tue 25/04/23 17:30	2441	Ash-Elec2,Ash-SSElec2
2443			Check Motor Fan Condition	0.5 hrs	Tue 25/04/23 17:30	Tue 25/04/23 18:00	2442	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2444			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 26/04/23 07:00	Wed 26/04/23 07:15	2443	Ash-Elec2,Ash-SSElec2
2445			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 26/04/23 07:15	Wed 26/04/23 07:30	2444	Ash-Elec2,Ash-SSElec2
2446			Seal For Moisture And Dust.	0.25 hrs	Wed 26/04/23 07:30	Wed 26/04/23 07:45	2445	Ash-Elec2,Ash-SSElec2
2447			Clear Permit	0.25 hrs	Wed 26/04/23 07:45	Wed 26/04/23 08:00	2446	Ash-Elec2,Ash-SSElec2
2448			**INSTRUMENTATION**	**40.25 hrs**	**Wed 19/04/23 08:30**	**Sat 22/04/23 17:45**	**1922**	
2449		**27LC005**	**# 1 CRYSTALLISER LEVEL VALVE - Remove & overhaul**	**14 hrs**	**Wed 19/04/23 08:30**	**Thu 20/04/23 12:00**		
2450			Erect scaffold (prior)	0 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:30		G Moeseraela,T Moloi,K Gabantogele
2451			Make out permit	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	2450	Operations
2452			Accept permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	2451	Ash-Inst2,SS-Ash-Ins2
2453			Disconnect instruments	1 hr	Wed 19/04/23 09:00	Wed 19/04/23 10:00	2452	Ash-Inst2,SS-Ash-Ins2
2454			Remove valve	4 hrs	Wed 19/04/23 10:00	Wed 19/04/23 14:30	2453	Carbo-SSFT9,Carbo-FT9,Ash-Inst2,SS-Ash-Ins2,G Moes
2455			Overhaul valve	5 hrs	Wed 19/04/23 14:30	Thu 20/04/23 08:30	2454	Ash-Inst2,SS-Ash-Ins2
2456			Install valve	3 hrs	Thu 20/04/23 08:30	Thu 20/04/23 11:30	2455	Carbo-SSFT9,Carbo-FT9,Ash-Inst2,SS-Ash-Ins2,G Moes
2457			Stroke check valve	0.25 hrs	Thu 20/04/23 11:30	Thu 20/04/23 11:45	2456	Ash-Inst2,SS-Ash-Ins2
2458			Clear permit	0.25 hrs	Thu 20/04/23 11:45	Thu 20/04/23 12:00	2457	Ash-Inst2,SS-Ash-Ins2
2459		**27LC006**	**# 2 CRYSTALLISER LEVEL VALVE - Remove & overhaul**	**14.75 hrs**	**Thu 20/04/23 12:00**	**Fri 21/04/23 16:45**	**2449**	
2460			Erect scaffold (prior)	0 hrs	Thu 20/04/23 12:00	Thu 20/04/23 12:00		RSC Scaffolding
2461			Make out permit	0.25 hrs	Thu 20/04/23 12:00	Thu 20/04/23 12:15	2460	Operations
2462			Accept permit	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	2461	Ash-Inst2,SS-Ash-Ins2
2463			Disconnect instruments	1 hr	Thu 20/04/23 12:45	Thu 20/04/23 13:45	2462	Ash-Inst2,SS-Ash-Ins2
2464			Remove valve	5 hrs	Thu 20/04/23 13:45	Fri 21/04/23 07:45	2463	Carbo-SSFT9,Carbo-FT9,Ash-Inst2,SS-Ash-Ins2,G Moes
2465			Overhaul valve	5 hrs	Fri 21/04/23 07:45	Fri 21/04/23 13:15	2464	Ash-Inst2,SS-Ash-Ins2
2466			Install valve	3 hrs	Fri 21/04/23 13:15	Fri 21/04/23 16:15	2465	RSC Scaffolding,Carbo-FT9,Carbo-SSFT9,Ash-Inst2,SS-A
2467			Stroke check valve	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	2466	Ash-Inst2,SS-Ash-Ins2
2468			Clear permit	0.25 hrs	Fri 21/04/23 16:30	Fri 21/04/23 16:45	2467	Ash-Inst2,SS-Ash-Ins2
2469		**27LC008**	**# 3 CRYSTALLISER LEVEL VALVE - Remove & overhaul**	**11.5 hrs**	**Fri 21/04/23 16:45**	**Sat 22/04/23 17:45**	**2459**	
2470			Make out permit	0.25 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:00		Ash-Inst2,SS-Ash-Ins2
2471			Accept permit	0.25 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:15	2470	Ash-Inst2,SS-Ash-Ins2
2472			Disconnect instruments	1 hr	Fri 21/04/23 17:15	Sat 22/04/23 07:15	2471	RSC Scaffolding,Carbo-FT9,Carbo-SSFT9,Ash-Inst2,SS-A
2473			Remove valve	3 hrs	Sat 22/04/23 07:15	Sat 22/04/23 10:15	2472	Ash-Inst2,SS-Ash-Ins2
2474			Overhaul valve	5 hrs	Sat 22/04/23 10:15	Sat 22/04/23 15:45	2473	RSC Scaffolding,Carbo-FT9,Carbo-SSFT9,Ash-Inst2,SS-A
2475			Install valve	1.5 hrs	Sat 22/04/23 15:45	Sat 22/04/23 17:15	2474	Ash-Inst2,SS-Ash-Ins2
2476			Stroke check valve	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30	2475	Ash-Inst2,SS-Ash-Ins2
2477			Clear permit	0.25 hrs	Sat 22/04/23 17:30	Sat 22/04/23 17:45	2476	Ash-Inst2,SS-Ash-Ins2
2478			Carbonation Maintenance Complete	0 hrs	Thu 11/05/23 10:45	Thu 11/05/23 10:45	346,611,18	
2479		**AREA 28A**	**BICARBONATE THICKENING**	**161.75 hrs**	**Mon 17/04/23 06:30**	**Tue 02/05/23 11:15**		
2480			**OPERATIONS**	**45 hrs**	**Mon 17/04/23 06:30**	**Fri 21/04/23 10:00**		
2481		**Area 28A**	**THICKENER - Shutdown**	**10.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 22:00**		
2482			Stop Feed To Steady Head Tank	0.5 hrs	Mon 17/04/23 06:30	Mon 17/04/23 07:00		Operations
2483			Commence Drain Thickener	12 hrs	Mon 17/04/23 07:00	Mon 17/04/23 19:00	2482	Operations
2484			Drain Steady Head Tank To Belt Filters	1 hr	Mon 17/04/23 18:00	Mon 17/04/23 19:00	2483FF	Operations
2485			Connect HWW Flush To Steady Head Tank Feed (Flush Back To Thickener), Flush Slurry Lines To Belt Filters	1.5 hrs	Mon 17/04/23 19:00	Mon 17/04/23 20:30	2484	Operations
2486			Flush Out Head Tank To Filters And Overflow Line To Thickener	1.5 hrs	Mon 17/04/23 20:30	Mon 17/04/23 22:00	2485	Operations
2487		**Area 28A**	**THICKENING - Cleaning**	**31.5 hrs**	**Mon 17/04/23 22:00**	**Thu 20/04/23 22:00**	**2481**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2488			Organize Hoses And Ladder Prior	0 hrs	Mon 17/04/23 22:00	Mon 17/04/23 22:00		Operations
2489			Clean Thickener	36 hrs	Mon 17/04/23 22:00	Wed 19/04/23 10:00	2488	Operations
2490			Clean Launder	36 hrs	Wed 19/04/23 10:00	Thu 20/04/23 22:00	2489	Operations
2491		**Area 28A**	**BITTERNS TANK - Cleaning**	**3 hrs**	**Thu 20/04/23 22:00**	**Fri 21/04/23 10:00**	**2487**	
2492			Organise Hoses & Ladder Prior	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		Operations
2493			Clean Tank	12 hrs	Thu 20/04/23 22:00	Fri 21/04/23 10:00	2492	Operations
2494			**MAINTENANCE STARTS**	**0 hrs**	**Thu 20/04/23 22:00**	**Thu 20/04/23 22:00**	**2487**	
2495			Maintenance jobs commence	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		
2496			**MECHANICAL**	**113.75 hrs**	**Thu 20/04/23 22:00**	**Mon 01/05/23 16:15**	**2494**	
2497		**28A2GK01**	**THICKENING MAIN GEAR - Clean Out And Inspect The Main Gear**	**95.75 hrs**	**Fri 21/04/23 07:00**	**Sun 30/04/23 08:15**		
2498			Support rakes (from bottom)	6 hrs	Fri 21/04/23 07:00	Fri 21/04/23 13:30		Thick-FT1,Thick-SSFT1
2499			Support bridge	3 hrs	Fri 21/04/23 13:30	Fri 21/04/23 16:30	2498	Thick-FT1,Thick-SSFT1,M-Crane 30Ton
2500			Lockout drive motors	1 hr	Fri 21/04/23 16:30	Fri 21/04/23 17:30	2499	Thick-FT1,Thick-SSFT1
2501			Disconnect drive motors	2 hrs	Fri 21/04/23 17:30	Sat 22/04/23 08:30	2500	Elec
2502			Drain all oil from drives	6 hrs	Sat 22/04/23 08:30	Sat 22/04/23 15:00	2501	Thick-FT1,Thick-SSFT1
2503			Remove primary drives	5 hrs	Sat 22/04/23 15:00	Sun 23/04/23 09:00	2502	Thick-FT1,Thick-SSFT1
2504			Remove secondary drives	5 hrs	Sun 23/04/23 09:00	Sun 23/04/23 14:30	2503	Thick-FT1,Thick-SSFT1
2505			Remove main gear cover plates	1 hr	Sun 23/04/23 14:30	Sun 23/04/23 15:30	2504	Thick-FT1,Thick-SSFT1
2506			Clean main gear housing	6 hrs	Sun 23/04/23 15:30	Mon 24/04/23 10:30	2505	Thick-FT1,Thick-SSFT1
2507			Strip primary drives	4 hrs	Mon 24/04/23 10:30	Mon 24/04/23 15:00	2506	Thick-FT1,Thick-SSFT1
2508			Strip secondary drives	6 hrs	Mon 24/04/23 15:00	Tue 25/04/23 10:00	2507	Thick-FT1,Thick-SSFT1
2509			Clean all parts & overhaul primary and secondary	4 hrs	Tue 25/04/23 10:00	Tue 25/04/23 14:30	2508	Thick-FT1,Thick-SSFT1
2510			Asemble primary drives with new parts	6 hrs	Tue 25/04/23 14:30	Wed 26/04/23 09:30	2509	Thick-FT1,Thick-SSFT1
2511			Assemble secondary drives with new parts	6 hrs	Wed 26/04/23 09:30	Wed 26/04/23 16:00	2510	Thick-FT1,Thick-SSFT1
2512			Dress main gear	6 hrs	Wed 26/04/23 16:00	Thu 27/04/23 11:00	2511	Thick-FT1,Thick-SSFT1
2513			Seal main gearbox	2.5 hrs	Thu 27/04/23 11:00	Thu 27/04/23 14:00	2512	Thick-FT1,Thick-SSFT1
2514			Re-fit main gear cover plate	1 hr	Thu 27/04/23 14:00	Thu 27/04/23 15:00	2513	Thick-FT1,Thick-SSFT1
2515			Re-fit secondary drives	5 hrs	Thu 27/04/23 15:00	Fri 28/04/23 09:00	2514	Thick-FT1,Thick-SSFT1
2516			Re-fit primary drives	4 hrs	Fri 28/04/23 09:00	Fri 28/04/23 13:30	2515	Thick-FT1,Thick-SSFT1
2517			Fit bauer drives c/w motors	2 hrs	Fri 28/04/23 13:30	Fri 28/04/23 15:30	2516	Thick-FT1,Thick-SSFT1
2518			Fill drive with oil	3 hrs	Fri 28/04/23 15:30	Sat 29/04/23 07:30	2517	Thick-FT1,Thick-SSFT1
2519			Re-connect power cables	1 hr	Sat 29/04/23 07:30	Sat 29/04/23 08:30	2518	Elec
2520			Remove isolation	1 hr	Sat 29/04/23 08:30	Sat 29/04/23 09:30	2519	Elec
2521			Rotate & check elevation	1 hr	Sat 29/04/23 09:30	Sat 29/04/23 10:30	2520	Thick-FT1,Thick-SSFT1
2522			Shim and or adjust elevation	4 hrs	Sat 29/04/23 10:30	Sat 29/04/23 15:00	2521	Thick-FT1,Thick-SSFT1
2523			Align scrapers & guide blocks	1 hr	Sat 29/04/23 15:00	Sat 29/04/23 16:00	2522	Thick-FT1,Thick-SSFT1
2524			Secure all bolts	2 hrs	Sat 29/04/23 16:00	Sat 29/04/23 18:00	2523	Thick-FT1,Thick-SSFT1
2525			Setup torque controll	1 hr	Sun 30/04/23 07:00	Sun 30/04/23 08:00	2524	Thick-FT1,Thick-SSFT1
2526			Clear permit	0.25 hrs	Sun 30/04/23 08:00	Sun 30/04/23 08:15	2525	Thick-FT1,Thick-SSFT1
2527		**28A2GK01**	**LAUNDER RUBBER REPAIRS - Reline launder**	**111.5 hrs**	**Thu 20/04/23 22:00**	**Mon 01/05/23 14:00**	**2494**	
2528			Clear Launder And Thickener (Prior)	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		Operations
2529			Make Out Permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15	2528	Operations
2530			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2529	Contract Fil
2531			Carry out risk assessment	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2530	O Kalankane
2532			Carry out decontamination protocol	6 hrs	Fri 21/04/23 07:30	Fri 21/04/23 13:30	2531	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2533			Inspect rubber lining for damages	1 hr	Fri 21/04/23 13:30	Fri 21/04/23 14:30	2532	Henderson
2534			Peel off damaged rubber	6 hrs	Fri 21/04/23 14:30	Sat 22/04/23 09:30	2533	Henderson
2535			Inspect for concrete integrity	1 hr	Sat 22/04/23 09:30	Sat 22/04/23 10:30	2534	Civils
2536			Carry out possible concrete repairs	24 hrs	Sat 22/04/23 10:30	Mon 24/04/23 14:00	2535	Civils
2537			Curing time	48 hrs	Mon 24/04/23 14:00	Wed 26/04/23 14:00	2536	
2538			Carry out possible rubberlining repairs	36 hrs	Wed 26/04/23 14:00	Sun 30/04/23 07:30	2537	Henderson
2539			Curing time	24 hrs	Sun 30/04/23 07:30	Mon 01/05/23 07:30	2538	
2540			Remove decontamination controls	6 hrs	Mon 01/05/23 07:30	Mon 01/05/23 13:30	2539	Operations
2541			Carry out housekeeping	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45	2540	O Kalankane
2542			Clear Permit	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	2541	O Kalankane
2543		**28A4FB01**	**THICKENER - Repair Floor Joints repairs**	**113.5 hrs**	**Thu 20/04/23 22:00**	**Mon 01/05/23 16:00**	**2494**	
2544			Clear launder (prior)	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		Operations
2545			Issue permit to work	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15	2544	Operations
2546			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2545	O Kalankane
2547			Carry out risk assessment	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2546	O Kalankane
2548			Carry out decontamination protocol	6 hrs	Fri 21/04/23 07:30	Fri 21/04/23 13:30	2547	Operations
2549			Inspect rubber lining for damages	1 hr	Fri 21/04/23 13:30	Fri 21/04/23 14:30	2548	Engineer
2550			Peel off damaged rubber	8 hrs	Fri 21/04/23 14:30	Sat 22/04/23 11:30	2549	Henderson
2551			Inspect for concrete integrity	1 hr	Sat 22/04/23 11:30	Sat 22/04/23 13:00	2550	Civils
2552			Carry out possible concrete repairs	24 hrs	Sat 22/04/23 13:00	Mon 24/04/23 16:00	2551	Civils
2553			Curing time	48 hrs	Mon 24/04/23 16:00	Wed 26/04/23 16:00	2552	
2554			Carry out possible rubberlining repairs	36 hrs	Wed 26/04/23 16:00	Sun 30/04/23 09:30	2553	Henderson
2555			Curing time	24 hrs	Sun 30/04/23 09:30	Mon 01/05/23 09:30	2554	
2556			Remove decontamination controls	6 hrs	Mon 01/05/23 09:30	Mon 01/05/23 15:30	2555	Operations
2557			Carry out housekeeping	0.25 hrs	Mon 01/05/23 15:30	Mon 01/05/23 15:45	2556	O Kalankane
2558			Clear permit	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	2557	O Kalankane
2559			**THICKENER LAUNDER - Install wash water pipes**	**30.75 hrs**	**Thu 20/04/23 22:00**	**Sun 23/04/23 17:15**	**2494**	
2560			Clear launder (prior)	0 days	Thu 20/04/23 22:00	Thu 20/04/23 22:00		Operations
2561			Make out permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15	2560	Operations
2562			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2561	O Kalankane
2563			Carry out decontamination protocol	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2562	Operations
2564			Undo clamp nuts	2 hrs	Fri 21/04/23 07:30	Fri 21/04/23 09:30	2563	Filt-FT2,Sthick Ft2
2565			Remove pipe clamps	3 hrs	Fri 21/04/23 09:30	Fri 21/04/23 13:00	2564	Filt-FT2,Sthick Ft2
2566			Rig out old pipes	6 hrs	Fri 21/04/23 13:00	Sat 22/04/23 08:00	2565	Rig (Ash) 5,M_Crane20T
2567			Rig in replacement pipes	6 hrs	Sat 22/04/23 08:00	Sat 22/04/23 14:30	2566	Rig (Ash) 5,M_Crane20T
2568			Align and clamp pipes	2 hrs	Sat 22/04/23 14:30	Sat 22/04/23 16:30	2567	Rig (Ash) 5,M_Crane20T,Filt-FT2,Sthick Ft2
2569			Tighten flange bolts	3 hrs	Sat 22/04/23 16:30	Sun 23/04/23 08:30	2568	Filt-FT2,Sthick Ft2
2570			Tighten clamp bolts	2 hrs	Sun 23/04/23 08:30	Sun 23/04/23 10:30	2569	Filt-FT2,Sthick Ft2
2571			Carry out housekeeping	0.5 hrs	Sun 23/04/23 10:30	Sun 23/04/23 11:00	2570	Filt-FT2,Sthick Ft2
2572			Remove decontamination controls	6 hrs	Sun 23/04/23 11:00	Sun 23/04/23 17:00	2571	Operations
2573			Clear permit	0.25 hrs	Sun 23/04/23 17:00	Sun 23/04/23 17:15	2572	O Kalankane
2574		**28A4FB01**	**THICKENER RAKE - Inspect And Repair Rubber Lining**	**70.5 hrs**	**Thu 20/04/23 22:00**	**Thu 27/04/23 15:00**	**2494**	
2575			Clear Launder And Thickener (Prior)	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		Operations
2576			Make Out Permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15	2575	Operations
2577			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2576	Filt-FT2,Sthick Ft2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2578			Identify Defected Areas	6 hrs	Fri 21/04/23 07:15	Fri 21/04/23 13:45	2577	Engineer
2579			Carry Out Repairs On Defected Areas	36 hrs	Fri 21/04/23 13:45	Tue 25/04/23 07:15	2578	Henderson
2580			Allow To Cure	24 hrs	Tue 25/04/23 07:15	Thu 27/04/23 10:15	2579	Henderson
2581			Clean Area	4 hrs	Thu 27/04/23 10:15	Thu 27/04/23 14:45	2580	Filt-FT2,Sthick Ft2
2582			Clear Permit	0.25 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:00	2581	Filt-FT2,Sthick Ft2
2583		**28A2GK01**	**THICKENER RAKE - Service Hydraulic Unit**	**34.5 hrs**	**Thu 20/04/23 22:00**	**Mon 24/04/23 10:00**		
2584			Make Out Permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15		Operations
2585			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2584	Fluid Systems
2586			Service Hydraulic Unit	8 hrs	Fri 21/04/23 07:15	Fri 21/04/23 15:45	2585	Fluid Systems
2587			Drain Oils & Change Filters	4 hrs	Fri 21/04/23 15:45	Sat 22/04/23 08:45	2586	Fluid Systems
2588			Repair leaks	12 hrs	Sat 22/04/23 08:45	Sun 23/04/23 10:15	2587	Fluid Systems
2589			Clean oil tank	8 hrs	Sun 23/04/23 10:15	Mon 24/04/23 07:45	2588	Fluid Systems
2590			Top Up Oil To Correct Level	1 hr	Mon 24/04/23 07:45	Mon 24/04/23 08:45	2589	Fluid Systems
2591			Test Run The Hydraulic Unit	1 hr	Mon 24/04/23 08:45	Mon 24/04/23 09:45	2590	Fluid Systems
2592			Clear Permit	0.25 hrs	Mon 24/04/23 09:45	Mon 24/04/23 10:00	2591	Fluid Systems
2593		**28A2GA07**	**BITTERNS PUMP A - Carry Out Inspection Service**	**11 hrs**	**Thu 20/04/23 22:00**	**Sat 22/04/23 07:30**		
2594			Make Out Permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15		Operations
2595			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2594	Filt-FT2,Sthick Ft2
2596			Remove Guard	0.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:45	2595	Filt-FT2,Sthick Ft2
2597			Inspect Coupling	1 hr	Fri 21/04/23 07:45	Fri 21/04/23 08:45	2596	Filt-FT2,Sthick Ft2
2598			Check all mounting bolts	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	2597	Filt-FT2,Sthick Ft2
2599			Check condition of the base	1 hr	Fri 21/04/23 09:15	Fri 21/04/23 10:15	2598	Filt-FT2,Sthick Ft2
2600			Check all flanges both discharge& suction	0.5 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:45	2599	Filt-FT2,Sthick Ft2
2601			Grease bearings	1 hr	Fri 21/04/23 10:45	Fri 21/04/23 11:45	2600	Filt-FT2,Sthick Ft2
2602			Repack glands	1.5 hrs	Fri 21/04/23 11:45	Fri 21/04/23 13:45	2601	Filt-FT2,Sthick Ft2
2603			Check gland cooling water hoses and correct if necessary	1 hr	Fri 21/04/23 13:45	Fri 21/04/23 14:45	2602	Filt-FT2,Sthick Ft2
2604			Carry Out or cross check Laser Alignment	3 hrs	Fri 21/04/23 14:45	Fri 21/04/23 17:45	2603	Reliability
2605			Replace Guard	0.5 hrs	Fri 21/04/23 17:45	Sat 22/04/23 07:15	2604	Filt-FT2,Sthick Ft2
2606			Clear Permit	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30	2605	Filt-FT2,Sthick Ft2
2607		**28A2GA02**	**BITTERNS PUMP B - Carry Out Inspection Service**	**11.25 hrs**	**Sat 22/04/23 07:30**	**Sun 23/04/23 08:15**	**2593**	
2608			Make Out Permit	0.25 hrs	Sat 22/04/23 07:30	Sat 22/04/23 07:45		Operations
2609			Accept Permit	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	2608	Filt-FT2,Sthick Ft2
2610			Remove Guard	0.5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:30	2609	Filt-FT2,Sthick Ft2
2611			Inspect Coupling	1 hr	Sat 22/04/23 08:30	Sat 22/04/23 09:30	2610	Filt-FT2,Sthick Ft2
2612			Check all mounting bolts	0.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 10:00	2611	G Moeseraela,T Moloi,K Gabantogele
2613			Check condition of the base	1 hr	Sat 22/04/23 10:00	Sat 22/04/23 11:00	2612	Filt-FT2,Sthick Ft2
2614			Check all flanges both discharge& suction	0.5 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:30	2613	Filt-FT2,Sthick Ft2
2615			Grease bearings	1 hr	Sat 22/04/23 11:30	Sat 22/04/23 13:00	2614	G Moeseraela,T Moloi,K Gabantogele
2616			Repack glands	1.5 hrs	Sat 22/04/23 13:00	Sat 22/04/23 14:30	2615	Filt-FT2,Sthick Ft2
2617			Check gland cooling water hoses and correct if necessary	1 hr	Sat 22/04/23 14:30	Sat 22/04/23 15:30	2616	Filt-FT2,Sthick Ft2
2618			Carry Out or cross check Laser Alignment	3 hrs	Sat 22/04/23 15:30	Sun 23/04/23 07:30	2617	Filt-FT2,Sthick Ft2
2619			Replace Guard	0.5 hrs	Sun 23/04/23 07:30	Sun 23/04/23 08:00	2618	Operations
2620			Clear Permit	0.25 hrs	Sun 23/04/23 08:00	Sun 23/04/23 08:15	2619	Filt-FT2,Sthick Ft2
2621		**28A2FB01**	**BITTERNS TANK - Carry Out Inspection And Repair Rubber Lining**	**21.25 hrs**	**Fri 21/04/23 10:00**	**Sun 23/04/23 10:15**	**2491**	
2622			Erect scaffolding prior	0 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:00		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2623			Drain Tank	0 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:00	2622	Operations
2624			Make Out Permit	0.25 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:15	2623	Operations
2625			Accept Permit	0.25 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:30	2624	Filt-FT1
2626			Open Manhole Cover	2 hrs	Fri 21/04/23 10:30	Fri 21/04/23 13:00	2625	Filt-FT1
2627			Identify Defective Areas	3 hrs	Fri 21/04/23 13:00	Fri 21/04/23 16:00	2626	Henderson
2628			Repair Defective Areas	8 hrs	Fri 21/04/23 16:00	Sat 22/04/23 13:30	2627	Henderson
2629			Allow To Cure	4 hrs	Sat 22/04/23 13:30	Sat 22/04/23 17:30	2628	Henderson
2630			Box Up Manhole Cover	3.5 hrs	Sat 22/04/23 17:30	Sun 23/04/23 10:00	2629	Filt-FT1
2631			Clear Permit	0.25 hrs	Sun 23/04/23 10:00	Sun 23/04/23 10:15	2630	Filt-FT1
2632		**28A2GA04**	**BITTERNS PUMP A - Replace suction pipes and suction bellow**	**11.75 hrs**	**Thu 20/04/23 22:00**	**Sat 22/04/23 08:15**		
2633			Fabricate stainless steel pipes prior	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		Fab Wshop
2634			Make out permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15	2633	Operations
2635			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2634	M Ramatlhakeng,S Monna,Fitter
2636			Carry out risk assessment	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2635	M Ramatlhakeng,S Monna,Fitter
2637			Undo bolts	4 hrs	Fri 21/04/23 07:30	Fri 21/04/23 11:30	2636	M Ramatlhakeng,S Monna,Fitter
2638			Rig out old pipes	1 hr	Fri 21/04/23 11:30	Fri 21/04/23 13:00	2637	Rig (Ash) 5,M_Crane7T
2639			Rig in new pipes	1 hr	Fri 21/04/23 13:00	Fri 21/04/23 14:00	2638	Rig (Ash) 5,M_Crane7T
2640			Install suction bellow	1 hr	Fri 21/04/23 14:00	Fri 21/04/23 15:00	2639	M Ramatlhakeng,S Monna,Fitter
2641			Align and tighten flange bolts	3 hrs	Fri 21/04/23 15:00	Fri 21/04/23 18:00	2640	M Ramatlhakeng,S Monna,Fitter
2642			Housekeeping	1 hr	Sat 22/04/23 07:00	Sat 22/04/23 08:00	2641	M Ramatlhakeng,S Monna,Fitter
2643			Clear permit	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15	2642	M Ramatlhakeng,S Monna
2644		**28A2GA04**	**BITTERNS PUMP B - Replace suction pipes and bellow**	**12 hrs**	**Sat 22/04/23 08:15**	**Sun 23/04/23 09:45**	**2632**	
2645			Fabricate stainless steel pipes prior	0 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:15		Fab Wshop
2646			Make out permit	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	2645	Operations
2647			Accept permit	0.25 hrs	Sat 22/04/23 08:30	Sat 22/04/23 08:45	2646	M Ramatlhakeng,S Monna,Fitter
2648			Carry out risk assessment	0.25 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:00	2647	M Ramatlhakeng,S Monna,Fitter
2649			Undo bolts	4 hrs	Sat 22/04/23 09:00	Sat 22/04/23 13:30	2648	M Ramatlhakeng,S Monna,Fitter
2650			Rig out old pipes	1 hr	Sat 22/04/23 13:30	Sat 22/04/23 14:30	2649	Rig (Ash) 5,M_Crane7T
2651			Rig in new pipes	1 hr	Sat 22/04/23 14:30	Sat 22/04/23 15:30	2650	Rig (Ash) 5,M_Crane7T
2652			Install suction bellow	1 hr	Sat 22/04/23 15:30	Sat 22/04/23 16:30	2651	M Ramatlhakeng,S Monna,Fitter
2653			Align and tighten flange bolts	3 hrs	Sat 22/04/23 16:30	Sun 23/04/23 08:30	2652	M Ramatlhakeng,S Monna,Fitter
2654			Housekeeping	1 hr	Sun 23/04/23 08:30	Sun 23/04/23 09:30	2653	M Ramatlhakeng,S Monna,Fitter
2655			Clear permit	0.25 hrs	Sun 23/04/23 09:30	Sun 23/04/23 09:45	2654	M Ramatlhakeng,S Monna
2656		**28A2GA04**	**BITTERNS PUMPS - Reposition Cable Racks**	**113.75 hrs**	**Thu 20/04/23 22:00**	**Mon 01/05/23 16:15**		
2657			Order materials prior	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		SBM(Carb)2,M Ramatlhakeng,S Monna
2658			Fabricate cable racks prior	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00	2657	SBM(Carb)2,M Ramatlhakeng,S Monna
2659			Conduct risk assessment	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2658	SBM(Carb)2,M Ramatlhakeng,S Monna
2660			Interpret drawing	1 hr	Fri 21/04/23 07:15	Fri 21/04/23 08:15	2659	SBM(Carb)2,M Ramatlhakeng,S Monna
2661			Measure, mark angle irons and flatbars to size	8 hrs	Fri 21/04/23 08:15	Fri 21/04/23 16:45	2660	SBM(Carb)2,M Ramatlhakeng,S Monna
2662			Cut angle irons and flatbars to measurements	18 hrs	Fri 21/04/23 16:45	Sun 23/04/23 13:45	2661	SBM(Carb)2,M Ramatlhakeng,S Monna
2663			Surface preparation on joints/mitre,bend and notch where necessary	34 hrs	Sun 23/04/23 13:45	Wed 26/04/23 16:15	2662	SBM(Carb)2,M Ramatlhakeng,S Monna
2664			Align, assemble and tack weld angle irons and flatbars	12 hrs	Wed 26/04/23 16:15	Thu 27/04/23 17:45	2663	SBM(Carb)2,M Ramatlhakeng,S Monna
2665			Braze and weld the pre-fab	40 hrs	Thu 27/04/23 17:45	Mon 01/05/23 15:45	2664	SBM(Carb)2,M Ramatlhakeng,S Monna
2666			House keeping	0.5 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:15	2665	SBM(Carb)2,M Ramatlhakeng,S Monna
2667		**28A2GA04**	**BITTERNS PUMPS - Install Bitterns Make up Pipe**	**9 hrs**	**Thu 20/04/23 22:00**	**Fri 21/04/23 16:30**		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2668			Fabricate replacement pipe prior	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		M Ramatlhakeng,S Monna
2669			Make out permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15	2668	Operations
2670			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2669	M Ramatlhakeng,S Monna
2671			Support control valve	0.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:45	2670	M Ramatlhakeng,S Monna
2672			Support existing pipe	0.5 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:15	2671	M-Crane 35Ton,G Moeseraela,T Moloi
2673			Undo flange bolts	1 hr	Fri 21/04/23 08:15	Fri 21/04/23 09:15	2672	M Ramatlhakeng,S Monna
2674			Rig out existing pipe	2 hrs	Fri 21/04/23 09:15	Fri 21/04/23 11:15	2673	M-Crane 35Ton,G Moeseraela,T Moloi
2675			Clean flange faces	0.5 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:45	2674	M Ramatlhakeng,S Monna
2676			Rig in new pipe	2 hrs	Fri 21/04/23 11:45	Fri 21/04/23 14:15	2675	M-Crane 35Ton,G Moeseraela,T Moloi
2677			Tighten bolts	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	2676	M Ramatlhakeng,S Monna
2678			Remove pipe and valve supports	0.5 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:45	2677	M-Crane 35Ton,G Moeseraela,T Moloi
2679			Housekeeping	0.5 hrs	Fri 21/04/23 15:45	Fri 21/04/23 16:15	2678	M Ramatlhakeng,S Monna
2680			Clear permit	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	2679	M Ramatlhakeng,S Monna
2681		**28A4FB01**	**THICKENER HOT WASH LINE - Replace Pipe Hangers**	**33.25 hrs**	**Thu 20/04/23 22:00**	**Mon 24/04/23 08:45**		
2682			Erect scaffold prior	0 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:00		SBM(Carb)2,M Ramatlhakeng,S Monna
2683			Make out permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2682	SBM(Carb)2,M Ramatlhakeng,S Monna
2684			Accept permit	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2683	SBM(Carb)2,M Ramatlhakeng,S Monna
2685			Conduct risk assessement	0.25 hrs	Fri 21/04/23 07:30	Fri 21/04/23 07:45	2684	SBM(Carb)2,M Ramatlhakeng,S Monna
2686			Cut /remove old pipe hangers	16 hrs	Fri 21/04/23 07:45	Sat 22/04/23 13:45	2685	SBM(Carb)2,M Ramatlhakeng,S Monna
2687			Install new hangers	16 hrs	Sat 22/04/23 13:45	Mon 24/04/23 08:15	2686	SBM(Carb)2,M Ramatlhakeng,S Monna
2688			House keeping	0.25 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:30	2687	SBM(Carb)2,M Ramatlhakeng,S Monna
2689			Clear permit	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	2688	SBM(Carb)2,M Ramatlhakeng,S Monna
2690		**28A2GA01**	**# 1 FILTER FEED PUMP - Carry Out Inpection Service**	**10 hrs**	**Thu 20/04/23 22:00**	**Fri 21/04/23 17:30**		
2691			Make Out Permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15		Operations
2692			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2691	Filt-FT2,Sthick Ft2
2693			Remove Guard	0.5 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:45	2692	Filt-FT2,Sthick Ft2
2694			Inspect Coupling	1 hr	Fri 21/04/23 07:45	Fri 21/04/23 08:45	2693	Filt-FT2,Sthick Ft2
2695			Check all mounting bolts	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	2694	Filt-FT2,Sthick Ft2
2696			Check condition of the base	1 hr	Fri 21/04/23 09:15	Fri 21/04/23 10:15	2695	Filt-FT2,Sthick Ft2
2697			Check all flanges both discharge& suction	0.5 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:45	2696	Filt-FT2,Sthick Ft2
2698			Grease all bearings	1.5 hrs	Fri 21/04/23 10:45	Fri 21/04/23 12:45	2697	Filt-FT2,Sthick Ft2
2699			Repack glands	1 hr	Fri 21/04/23 12:45	Fri 21/04/23 13:45	2698	Filt-FT2,Sthick Ft2
2700			Inspect vee belts for wear and replace if necessary	3 hrs	Fri 21/04/23 13:45	Fri 21/04/23 16:45	2699	Reliability
2701			Replace Guard	0.5 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:15	2700	Filt-FT2,Sthick Ft2
2702			Clear Permit	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	2701	Filt-FT2,Sthick Ft2
2703		**28A2GA02**	**# 2 FILTER FEED PUMP - Carry Out Inpection Service**	**10.25 hrs**	**Fri 21/04/23 17:30**	**Sat 22/04/23 17:15**	**2690**	
2704			Make Out Permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45		Operations
2705			Accept Permit	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	2704	Filt-FT2,Sthick Ft2
2706			Remove Guard	0.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:30	2705	Filt-FT2,Sthick Ft2
2707			Inspect Coupling	1 hr	Sat 22/04/23 07:30	Sat 22/04/23 08:30	2706	Filt-FT2,Sthick Ft2
2708			Check all mounting bolts	0.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 09:00	2707	Filt-FT2,Sthick Ft2
2709			Check condition of the base	1 hr	Sat 22/04/23 09:00	Sat 22/04/23 10:00	2708	Filt-FT2,Sthick Ft2
2710			Check all flanges both discharge& suction	0.5 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:30	2709	Filt-FT2,Sthick Ft2
2711			Grease all bearings	1.5 hrs	Sat 22/04/23 10:30	Sat 22/04/23 12:00	2710	Filt-FT2,Sthick Ft2
2712			Repack glands	1 hr	Sat 22/04/23 12:30	Sat 22/04/23 13:30	2711	Filt-FT2,Sthick Ft2

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2713		Inspect vee belts for wear and replace if necessary	3 hrs	Sat 22/04/23 13:30	Sat 22/04/23 16:30	2712	Filt-FT2,Sthick Ft2
2714		Replace Guard	0.5 hrs	Sat 22/04/23 16:30	Sat 22/04/23 17:00	2713	Reliability
2715		Clear Permit	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	2714	Filt-FT2,Sthick Ft2
2716	**28A2GA03**	**# 3 FILTER FEED PUMP - Carry Out Inpection Service**	**10.25 hrs**	**Sat 22/04/23 17:15**	**Sun 23/04/23 17:00**	**2703**	
2717		Make Out Permit	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30		Operations
2718		Accept Permit	0.25 hrs	Sat 22/04/23 17:30	Sat 22/04/23 17:45	2717	Filt-FT2,Sthick Ft2
2719		Remove Guard	0.5 hrs	Sat 22/04/23 17:45	Sun 23/04/23 07:15	2718	Filt-FT2,Sthick Ft2
2720		Inspect Coupling	1 hr	Sun 23/04/23 07:15	Sun 23/04/23 08:15	2719	Filt-FT2,Sthick Ft2
2721		Check all mounting bolts	0.5 hrs	Sun 23/04/23 08:15	Sun 23/04/23 08:45	2720	Filt-FT2,Sthick Ft2
2722		Check condition of the base	1 hr	Sun 23/04/23 08:45	Sun 23/04/23 09:45	2721	Filt-FT2,Sthick Ft2
2723		Check all flanges both discharge& suction	0.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 10:15	2722	Filt-FT2,Sthick Ft2
2724		Grease all bearings	1.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 11:45	2723	Filt-FT2,Sthick Ft2
2725		Repack glands	1 hr	Sun 23/04/23 11:45	Sun 23/04/23 13:15	2724	Filt-FT2,Sthick Ft2
2726		Inspect vee belts for wear and replace if necessary	3 hrs	Sun 23/04/23 13:15	Sun 23/04/23 16:15	2725	Filt-FT2,Sthick Ft2
2727		Replace Guard	0.5 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:45	2726	Reliability
2728		Clear Permit	0.25 hrs	Sun 23/04/23 16:45	Sun 23/04/23 17:00	2727	Filt-FT2,Sthick Ft2
2729	**28A2GK01**	**#A THICKENER PIPES - Replace Slurry Pipes From Thickner To Steady Head Tank**	**20.8 hrs**	**Fri 21/04/23 07:00**	**Sat 22/04/23 17:48**		
2730		Make Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15		SBM(Carb)2,M Ramatlhakeng,S Monna
2731		Accept Permit	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2730	SBM(Carb)2,M Ramatlhakeng,S Monna
2732		Risk Assesment	0.25 hrs	Fri 21/04/23 07:30	Fri 21/04/23 07:45	2731	SBM(Carb)2,M Ramatlhakeng,S Monna
2733		Order Material	0.2 hrs	Fri 21/04/23 07:45	Fri 21/04/23 07:57	2732	SBM(Carb)2,M Ramatlhakeng,S Monna
2734		Measure Pipes And Cut To Sizes	0.2 hrs	Fri 21/04/23 07:57	Fri 21/04/23 08:09	2733	SBM(Carb)2,M Ramatlhakeng,S Monna
2735		Flange Pipes	0.2 hrs	Fri 21/04/23 08:09	Fri 21/04/23 08:21	2734	SBM(Carb)2,M Ramatlhakeng,S Monna
2736		Weld Pipes	0.2 hrs	Fri 21/04/23 08:21	Fri 21/04/23 08:33	2735	SBM(Carb)2,M Ramatlhakeng,S Monna
2737		Transport Pipes To Site	1 hr	Fri 21/04/23 08:33	Fri 21/04/23 09:33	2736	SBM(Carb)2,M Ramatlhakeng,S Monna
2738		Cut Off Old Pipes	5 hrs	Fri 21/04/23 09:33	Fri 21/04/23 15:03	2737	SBM(Carb)2,M Ramatlhakeng,S Monna
2739		Rigg Down Old Pipes	2 hrs	Fri 21/04/23 15:03	Fri 21/04/23 17:03	2738	G Moeseraela,T Moloi,K Gabantogele
2740		Rigg Up Old Pipes	2 hrs	Fri 21/04/23 17:03	Sat 22/04/23 08:03	2739	G Moeseraela,T Moloi,K Gabantogele
2741		Join New Pipes And Bolt Up	8 hrs	Sat 22/04/23 08:03	Sat 22/04/23 16:33	2740	Filt-FT2
2742		House Keeping	0.25 hrs	Sat 22/04/23 16:33	Sat 22/04/23 16:48	2741	All Trades
2743		Clear Permit	0.25 hrs	Sat 22/04/23 16:48	Sat 22/04/23 17:03	2742	All Trades
2744		Sign Off Permit	0.75 hrs	Sat 22/04/23 17:03	Sat 22/04/23 17:48	2743	Operations
2745	**28A2GK01**	**#B THICKENER PIPES - Replace Slurry Pipes From Thickner To Steady Head Tank**	**20.3 hrs**	**Sat 22/04/23 17:48**	**Mon 24/04/23 17:06**	**2729**	
2746		Make Permit	0.25 hrs	Sat 22/04/23 17:48	Sun 23/04/23 07:03		SBM(Carb)2,M Ramatlhakeng,S Monna
2747		Accept Permit	0.25 hrs	Sun 23/04/23 07:03	Sun 23/04/23 07:18	2746	SBM(Carb)2,M Ramatlhakeng,S Monna
2748		Risk Assesment	0.25 hrs	Sun 23/04/23 07:18	Sun 23/04/23 07:33	2747	SBM(Carb)2,M Ramatlhakeng,S Monna
2749		Order Material	0.2 hrs	Sun 23/04/23 07:33	Sun 23/04/23 07:45	2748	SBM(Carb)2,M Ramatlhakeng,S Monna
2750		Measure Pipes And Cut To Sizes	0.2 hrs	Sun 23/04/23 07:45	Sun 23/04/23 07:57	2749	SBM(Carb)2,M Ramatlhakeng,S Monna
2751		Flange Pipes	0.2 hrs	Sun 23/04/23 07:57	Sun 23/04/23 08:09	2750	SBM(Carb)2,M Ramatlhakeng,S Monna
2752		Weld Pipes	0.2 hrs	Sun 23/04/23 08:09	Sun 23/04/23 08:21	2751	SBM(Carb)2,M Ramatlhakeng,S Monna
2753		Transport Pipes To Site	1 hr	Sun 23/04/23 08:21	Sun 23/04/23 09:21	2752	SBM(Carb)2,M Ramatlhakeng,S Monna
2754		Cut Off Old Pipes	5 hrs	Sun 23/04/23 09:21	Sun 23/04/23 14:51	2753	SBM(Carb)2,M Ramatlhakeng,S Monna
2755		Rigg Down Old Pipes	2 hrs	Sun 23/04/23 14:51	Sun 23/04/23 16:51	2754	G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2756			Rigg Up Old Pipes	2 hrs	Sun 23/04/23 16:51	Mon 24/04/23 07:51	2755	G Moeseraela,T Moloi,K Gabantogele
2757			Join New Pipes And Bolt Up	8 hrs	Mon 24/04/23 07:51	Mon 24/04/23 16:21	2756	Filt-FT2,Sthick Ft2
2758			House Keeping	0.25 hrs	Mon 24/04/23 16:21	Mon 24/04/23 16:36	2757	All Trades
2759			Clear Permit	0.25 hrs	Mon 24/04/23 16:36	Mon 24/04/23 16:51	2758	All Trades
2760			Sign Off Permit	0.25 hrs	Mon 24/04/23 16:51	Mon 24/04/23 17:06	2759	SBM(Carb)2,M Ramatlhakeng,S Monna
2761		**28A2GK01**	**DOWN COMER VALVES - Repair Valves 4 Off**	**20.5 hrs**	**Thu 20/04/23 22:00**	**Sat 22/04/23 17:30**		
2762			Make Out Permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15		Operations
2763			Accept Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2762	Filt-FT2,Sthick Ft2
2764			Remove Valves	4 hrs	Fri 21/04/23 07:15	Fri 21/04/23 11:15	2763	Filt-FT2,Sthick Ft2
2765			Overhaul Valves	12 hrs	Fri 21/04/23 11:15	Sat 22/04/23 13:15	2764	Filt-FT2,Sthick Ft2
2766			Install Valves	4 hrs	Sat 22/04/23 13:15	Sat 22/04/23 17:15	2765	Filt-FT2,Sthick Ft2
2767			Clear Permit	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30	2766	Filt-FT2,Sthick Ft2
2768		**28A4FB01**	**THICKENER CONTROL VALVE - Install roof cover**	**11 hrs**	**Fri 21/04/23 07:00**	**Sat 22/04/23 07:30**		
2769			Make Out Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15		Thick-Ops
2770			Accept Permit	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2769	Civils
2771			Erect roof stand	4 hrs	Fri 21/04/23 07:30	Fri 21/04/23 11:30	2770	M Ramatlhakeng,S Monna
2772			Install roof cladding	4 hrs	Fri 21/04/23 11:30	Fri 21/04/23 16:00	2771	Civils
2773			Secure cladding	2 hrs	Fri 21/04/23 16:00	Fri 21/04/23 18:00	2772	Civils
2774			Housekeeping	0.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:30	2773	Civils
2775			Clear Permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15		Civils
2776			**ELECTRICAL**	**69.25 hrs**	**Fri 21/04/23 16:30**	**Fri 28/04/23 11:45**	**2494**	
2777		**28A2GA04**	**BITTERNS PUMP A - Carry out general electrical maintenance**	**5.5 hrs**	**Fri 21/04/23 16:30**	**Sat 22/04/23 11:00**	**3483**	
2778			Make out permit	0.25 hrs	Fri 21/04/23 16:30	Fri 21/04/23 16:45		Operations
2779			Accept permit	0.25 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:00	2778	Ash-Elec3,Ash-SSElec3
2780			Carry out electrical isolation	0.25 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:15	2779	Ash-Elec3,Ash-SSElec3
2781			Check loose connections in the panel	0.5 hrs	Fri 21/04/23 16:30	Fri 21/04/23 17:00		Ash-Elec3,Ash-SSElec3
2782			Check Soft starter connections& clear dust	0.5 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:30	2781	Ash-Elec3,Ash-SSElec3
2783			Replace stop start canopy	0.5 hrs	Fri 21/04/23 17:30	Fri 21/04/23 18:00	2782	Ash-Elec3,Ash-SSElec3
2784			Service Stop/start	0.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:30	2783	Ash-Elec3,Ash-SSElec3
2785			Install and connect motor	2 hrs	Sat 22/04/23 07:30	Sat 22/04/23 09:30	2784	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2786			Check cable terminal leads for over heating	0.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 10:00	2785	Ash-Elec3,Ash-SSElec3
2787			Tighten Motor connections& check Gland intergrity	0.5 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:30	2786	Ash-Elec3,Ash-SSElec3
2788			Seal for Moisture and dust.	0.25 hrs	Sat 22/04/23 10:30	Sat 22/04/23 10:45	2787	Ash-Elec3,Ash-SSElec3
2789			Clear permit	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	2788	Ash-Elec3,Ash-SSElec3
2790		**28A2GA04**	**BITTERNS PUMP B - Carry out general electrical maintenance**	**4.5 hrs**	**Sat 22/04/23 11:00**	**Sat 22/04/23 16:00**	**2777**	
2791			Make out permit	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15		Operations
2792			Accept permit	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30	2791	Ash-Elec3,Ash-SSElec3
2793			Carry out electrical isolation	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45	2792	Ash-Elec3,Ash-SSElec3
2794			Check loose connections in the panel	0.5 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:45	2793	Ash-Elec3,Ash-SSElec3
2795			Check Soft starter connections& clear dust	0.5 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:15	2794	Ash-Elec3,Ash-SSElec3
2796			Replace stop start canopy	0.5 hrs	Sat 22/04/23 13:15	Sat 22/04/23 13:45	2795	Ash-Elec3,Ash-SSElec3
2797			Service Stop/start	0.5 hrs	Sat 22/04/23 13:45	Sat 22/04/23 14:15	2796	Ash-Elec3,Ash-SSElec3
2798			Check fan condition	0.25 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:30	2797	Ash-Elec3,Ash-SSElec3
2799			Check cable terminal leads for over heating	0.5 hrs	Sat 22/04/23 14:30	Sat 22/04/23 15:00	2798	Ash-Elec3,Ash-SSElec3
2800			Tighten Motor connections& check Gland intergrity	0.5 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:30	2799	Ash-Elec3,Ash-SSElec3

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2801		Seal for Moisture and dust.	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45	2800	Ash-Elec3,Ash-SSElec3
2802		Clear permit	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	2801	Ash-Elec3,Ash-SSElec3
2803	**28A2GK01**	**THICKENER RAKE HYDRAULIC DRIVE - Carry out general electrical maintenance**	**13 hrs**	**Sat 22/04/23 16:00**	**Mon 24/04/23 07:30**	**2790**	
2804		Make out permit	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15		Operations
2805		Accept permit	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30	2804	Ash-Elec3,Ash-SSElec3
2806		Carry out electrical isolation	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	2805	Ash-Elec3,Ash-SSElec3
2807		Remove and send motor for repairs	4 hrs	Sat 22/04/23 16:45	Sun 23/04/23 09:45	2806	Ash-Elec3,Ash-SSElec3
2808		Check loose connections in the substation panel	0.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 10:15	2807	Ash-Elec3,Ash-SSElec3
2809		Check Contactor contacts	0.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:45	2808	Ash-Elec3,Ash-SSElec3
2810		Service Field panel	2 hrs	Sun 23/04/23 10:45	Sun 23/04/23 13:15	2809	Ash-Elec3,Ash-SSElec3
2811		Service all control switches	2 hrs	Sun 23/04/23 13:15	Sun 23/04/23 15:15	2810	Ash-Elec3,Ash-SSElec3
2812		Check all junction box connections and ensure sealing intergrity	1 hr	Sun 23/04/23 15:15	Sun 23/04/23 16:15	2811	Ash-Elec3,Ash-SSElec3
2813		Renew old labels	1 hr	Sun 23/04/23 16:15	Sun 23/04/23 17:15	2812	Ash-Elec3,Ash-SSElec3
2814		Tighten Motor connections& Gland intergrity	0.5 hrs	Sun 23/04/23 17:15	Sun 23/04/23 17:45	2813	Ash-Elec3,Ash-SSElec3
2815		Seal for Moisture and dust.	0.5 hrs	Sun 23/04/23 17:45	Mon 24/04/23 07:15	2814	Ash-Elec3,Ash-SSElec3
2816		Clear permit	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	2815	Ash-Elec3,Ash-SSElec3
2817	**28A2GK04**	**THICKENER RAKE EASTERN UNIT - Carry out general electrical maintenance**	**9.5 hrs**	**Mon 24/04/23 07:30**	**Mon 24/04/23 17:30**	**2803**	
2818		Make Out Permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45		Ash-Elec3,Ash-SSElec3
2819		Accept Permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	2818	Ash-Elec3,Ash-SSElec3
2820		Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15	2819	Ash-Elec3,Ash-SSElec3
2821		Remove and send motor for repairs	4 hrs	Mon 24/04/23 08:15	Mon 24/04/23 12:45	2820	Ash-Elec3,Ash-SSElec3
2822		Check Loose Connections In The Panel	0.25 hrs	Mon 24/04/23 12:45	Mon 24/04/23 13:00	2821	Ash-Elec3,Ash-SSElec3
2823		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:15	2822	Ash-Elec3,Ash-SSElec3
2824		Confirm Correct Setting Of Protections	0.25 hrs	Mon 24/04/23 13:15	Mon 24/04/23 13:30	2823	Ash-Elec3,Ash-SSElec3
2825		Check potentiometer connections	0.5 hrs	Mon 24/04/23 13:30	Mon 24/04/23 14:00	2824	Ash-Elec3,Ash-SSElec3
2826		Service Stop/Start	0.5 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:30	2825	Ash-Elec3,Ash-SSElec3
2827		Ensure cable racks are secured	1.5 hrs	Mon 24/04/23 14:30	Mon 24/04/23 16:00	2826	Ash-Elec3,Ash-SSElec3
2828		Check Motor Fan Condition	0.5 hrs	Mon 24/04/23 16:00	Mon 24/04/23 16:30	2827	Ash-Elec3,Ash-SSElec3
2829		Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 24/04/23 16:30	Mon 24/04/23 16:45	2828	Ash-Elec3,Ash-SSElec3
2830		Tighten Motor Connections& Gland Intergrity	0.25 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:00	2829	Ash-Elec3,Ash-SSElec3
2831		Seal For Moisture And Dust.	0.25 hrs	Mon 24/04/23 17:00	Mon 24/04/23 17:15	2830	Ash-Elec3,Ash-SSElec3
2832		Clear Permit	0.25 hrs	Mon 24/04/23 17:15	Mon 24/04/23 17:30	2831	Ash-Elec3,Ash-SSElec3
2833	**28A2GK07**	**THICKENER RAKE WESTERN UNIT - Carry out general electrical maintenance**	**9.5 hrs**	**Mon 24/04/23 17:30**	**Tue 25/04/23 16:30**	**2817**	
2834		Make Out Permit	0.25 hrs	Mon 24/04/23 17:30	Mon 24/04/23 17:45		Ash-Elec3,Ash-SSElec3
2835		Accept Permit	0.25 hrs	Mon 24/04/23 17:45	Mon 24/04/23 18:00	2834	Ash-Elec3,Ash-SSElec3
2836		Carry Out Electrical Isolation	0.25 hrs	Tue 25/04/23 07:00	Tue 25/04/23 07:15	2835	Ash-Elec3,Ash-SSElec3
2837		Remove and send motor for repair	4 hrs	Tue 25/04/23 07:15	Tue 25/04/23 11:15	2836	Ash-Elec3,Ash-SSElec3
2838		Check Loose Connections In The Panel	0.25 hrs	Tue 25/04/23 11:15	Tue 25/04/23 11:30	2837	Ash-Elec3,Ash-SSElec3
2839		Check Contactor Contacts/Soft Starter Connetions	0.25 hrs	Tue 25/04/23 11:30	Tue 25/04/23 11:45	2838	Ash-Elec3,Ash-SSElec3
2840		Confirm Correct Setting Of Protections	0.25 hrs	Tue 25/04/23 11:45	Tue 25/04/23 12:00	2839	Ash-Elec3,Ash-SSElec3
2841		Check potentiometer connections	0.5 hrs	Tue 25/04/23 12:30	Tue 25/04/23 13:00	2840	Ash-Elec3,Ash-SSElec3
2842		Service Stop/Start	0.5 hrs	Tue 25/04/23 13:00	Tue 25/04/23 13:30	2841	Ash-Elec3,Ash-SSElec3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2843			Ensure cable racks are secured	1.5 hrs	Tue 25/04/23 13:30	Tue 25/04/23 15:00	2842	Ash-Elec3,Ash-SSElec3
2844			Check Motor Fan Condition	0.5 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:30	2843	Ash-Elec3,Ash-SSElec3
2845			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	2844	Ash-Elec3,Ash-SSElec3
2846			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	2845	Ash-Elec3,Ash-SSElec3
2847			Seal For Moisture And Dust.	0.25 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:15	2846	Ash-Elec3,Ash-SSElec3
2848			Clear Permit	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	2847	Ash-Elec3,Ash-SSElec3
2849		**28A2GA01**	**STANDBY FILTER FEED PUMP - Carry out general electrical maintenance**	**9.75 hrs**	**Tue 25/04/23 16:30**	**Wed 26/04/23 15:45**	**2833**	
2850			Make out permit	0.25 hrs	Tue 25/04/23 16:30	Tue 25/04/23 16:45		Operations
2851			Accept permit	0.25 hrs	Tue 25/04/23 16:45	Tue 25/04/23 17:00	2850	Ash-Elec3,Ash-SSElec3
2852			Carry out electrical isolation	0.25 hrs	Tue 25/04/23 17:00	Tue 25/04/23 17:15	2851	Ash-Elec3,Ash-SSElec3
2853			Disconnect and remove motor and send for repairs	2 hrs	Tue 25/04/23 17:15	Wed 26/04/23 08:15	2852	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2854			Replace Swa gland with # 3 gland	1 hr	Wed 26/04/23 08:15	Wed 26/04/23 09:15	2853	Ash-Elec3,Ash-SSElec3
2855			Check loose connections in the panel	0.5 hrs	Wed 26/04/23 09:15	Wed 26/04/23 09:45	2854	Ash-Elec3,Ash-SSElec3
2856			Check Contactor contacts	0.5 hrs	Wed 26/04/23 09:45	Wed 26/04/23 10:15	2855	Ash-Elec3,Ash-SSElec3
2857			Service Stop/start	0.5 hrs	Wed 26/04/23 10:15	Wed 26/04/23 10:45	2856	Ash-Elec3,Ash-SSElec3
2858			Replace with stainless steel box	1 hr	Wed 26/04/23 10:45	Wed 26/04/23 11:45	2857	Ash-Elec3,Ash-SSElec3
2859			Install and connect motor	2 hrs	Wed 26/04/23 11:45	Wed 26/04/23 14:15	2858	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2860			Check motor fan condition	0.25 hrs	Wed 26/04/23 14:15	Wed 26/04/23 14:30	2859	Ash-Elec3,Ash-SSElec3
2861			Check cable terminal leads for over heating	0.25 hrs	Wed 26/04/23 14:30	Wed 26/04/23 14:45	2860	Ash-Elec3,Ash-SSElec3
2862			Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 26/04/23 14:45	Wed 26/04/23 15:15	2861	Ash-Elec3,Ash-SSElec3
2863			Seal for Moisture and dust.	0.25 hrs	Wed 26/04/23 15:15	Wed 26/04/23 15:30	2862	Ash-Elec3,Ash-SSElec3
2864			Clear permit	0.25 hrs	Wed 26/04/23 15:30	Wed 26/04/23 15:45	2863	Ash-Elec3,Ash-SSElec3
2865		**28A2GA02**	**B LINE FILTER FEED PUMPS - Carry out general electrical maintenance**	**9 hrs**	**Wed 26/04/23 15:45**	**Thu 27/04/23 14:15**	**2849**	
2866			Make out permit	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00		Operations
2867			Accept permit	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15	2866	Ash-Elec3,Ash-SSElec3
2868			Carry out electrical isolation	0.25 hrs	Wed 26/04/23 16:15	Wed 26/04/23 16:30	2867	Ash-Elec3,Ash-SSElec3
2869			Replace swa gland with # 3 compression gland	0.5 hrs	Wed 26/04/23 16:30	Wed 26/04/23 17:00	2868	Ash-Elec3,Ash-SSElec3
2870			Disconnect and remove motor and send for repairs	2 hrs	Wed 26/04/23 17:00	Thu 27/04/23 08:00	2869	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2871			Check loose connections in the panel	0.5 hrs	Thu 27/04/23 08:00	Thu 27/04/23 08:30	2870	Ash-Elec3,Ash-SSElec3
2872			Check Contactor contacts	0.5 hrs	Thu 27/04/23 08:30	Thu 27/04/23 09:00	2871	Ash-Elec3,Ash-SSElec3
2873			Replace with stainless steel box	1 hr	Thu 27/04/23 09:00	Thu 27/04/23 10:00	2872	Ash-Elec3,Ash-SSElec3
2874			Service Stop/start	0.5 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:30	2873	Ash-Elec3,Ash-SSElec3
2875			Install and connect motor	2 hrs	Thu 27/04/23 10:30	Thu 27/04/23 13:00	2874	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2876			Check cable terminal leads for over heating	0.25 hrs	Thu 27/04/23 13:00	Thu 27/04/23 13:15	2875	Ash-Elec3,Ash-SSElec3
2877			Tighten Motor connections & Gland intergrity	0.5 hrs	Thu 27/04/23 13:15	Thu 27/04/23 13:45	2876	Ash-Elec3,Ash-SSElec3
2878			Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 13:45	Thu 27/04/23 14:00	2877	Ash-Elec3,Ash-SSElec3
2879			Clear permit	0.25 hrs	Thu 27/04/23 14:00	Thu 27/04/23 14:15	2878	Ash-Elec3,Ash-SSElec3
2880		**28A2GA03**	**A LINE FILTER FEED PUMPS - Carry out general electrical maintenance**	**8.5 hrs**	**Thu 27/04/23 14:15**	**Fri 28/04/23 11:45**	**2865**	
2881			Make out permit	0.25 hrs	Thu 27/04/23 14:15	Thu 27/04/23 14:30		Operations
2882			Accept permit	0.25 hrs	Thu 27/04/23 14:30	Thu 27/04/23 14:45	2881	Ash-Elec3,Ash-SSElec3
2883			Carry out electrical isolation	0.25 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:00	2882	Ash-Elec3,Ash-SSElec3
2884			Replace swa gland with # 3 compression gland	0.5 hrs	Thu 27/04/23 15:00	Thu 27/04/23 15:30	2883	Ash-Elec3,Ash-SSElec3
2885			Disconnect and remove motor and send for repairs	2 hrs	Thu 27/04/23 15:00	Thu 27/04/23 17:00	2883	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2886			Check loose connections in the panel	0.5 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:30	2885	Ash-Elec3,Ash-SSElec3
2887			Check Contactor contacts	0.5 hrs	Thu 27/04/23 17:30	Thu 27/04/23 18:00	2886	Ash-Elec3,Ash-SSElec3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2888			Replace with stainless steel box	1 hr	Fri 28/04/23 07:00	Fri 28/04/23 08:00	2887	Ash-Elec3,Ash-SSElec3
2889			Service Stop/start	0.5 hrs	Fri 28/04/23 08:00	Fri 28/04/23 08:30	2888	Ash-Elec3,Ash-SSElec3
2890			Install and connect motor	2 hrs	Fri 28/04/23 08:30	Fri 28/04/23 10:30	2889	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
2891			Check cable terminal leads for over heating	0.25 hrs	Fri 28/04/23 10:30	Fri 28/04/23 10:45	2890	Ash-Elec3,Ash-SSElec3
2892			Tighten Motor connections & Gland intergrity	0.5 hrs	Fri 28/04/23 10:45	Fri 28/04/23 11:15	2891	Ash-Elec3,Ash-SSElec3
2893			Seal for Moisture and dust.	0.25 hrs	Fri 28/04/23 11:15	Fri 28/04/23 11:30	2892	Ash-Elec3,Ash-SSElec3
2894			Clear permit	0.25 hrs	Fri 28/04/23 11:30	Fri 28/04/23 11:45	2893	Ash-Elec3,Ash-SSElec3
2895			**INSTRUMENTATION**	**5.25 hrs**	**Thu 20/04/23 22:00**	**Fri 21/04/23 12:45**	**2496SS**	
2896		**28DI 001**	**# 1 DENSITY METER - Inspection**	**2.5 hrs**	**Thu 20/04/23 22:00**	**Fri 21/04/23 09:30**		
2897			Make out permit	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15		Operations
2898			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2897	Ash-Inst2,SS-Ash-Ins2
2899			Inspect meter	2 hrs	Fri 21/04/23 07:15	Fri 21/04/23 09:15	2898	Ash-Inst2,SS-Ash-Ins2
2900			Clear permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	2899	Ash-Inst2,SS-Ash-Ins2
2901		**28DI 002**	**# 2 DENSITY METER - Inspection**	**2.75 hrs**	**Fri 21/04/23 09:30**	**Fri 21/04/23 12:45**	**2896**	
2902			Make out permit	0.25 hrs	Fri 21/04/23 09:30	Fri 21/04/23 09:45		Operations
2903			Accept permit	0.25 hrs	Fri 21/04/23 09:45	Fri 21/04/23 10:00	2902	Ash-Inst2,SS-Ash-Ins2
2904			Inspect meter	2 hrs	Fri 21/04/23 10:00	Fri 21/04/23 12:00	2903	Ash-Inst2,SS-Ash-Ins2
2905			Clear permit	0.25 hrs	Fri 21/04/23 12:30	Fri 21/04/23 12:45	2904	Ash-Inst2,SS-Ash-Ins2
2906			**CIVIL WORKS**	**119.75 hrs**	**Thu 20/04/23 22:00**	**Tue 02/05/23 11:15**	**2494**	
2907			**LAUNDER RUBBER REPAIRS - Repair worn out concrete**	**119.75 hrs**	**Thu 20/04/23 22:00**	**Tue 02/05/23 11:15**		
2908			Issue permit to work	0.25 hrs	Thu 20/04/23 22:00	Thu 20/04/23 22:15		Operations
2909			Accept permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	2908	Civils
2910			Carry out risk assesment	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	2909	Civils
2911			Chip off damaged concrete	16 hrs	Fri 21/04/23 07:30	Sat 22/04/23 13:30	2910	Civils
2912			Inspect for reinforcement integrity	6 hrs	Sat 22/04/23 13:30	Sun 23/04/23 08:30	2911	Civils
2913			Possible repairs	48 hrs	Sun 23/04/23 08:30	Thu 27/04/23 15:00	2912	Civils
2914			Shuttering	12 hrs	Thu 27/04/23 15:00	Fri 28/04/23 16:30	2913	Civils
2915			Recast concrete	16 hrs	Fri 28/04/23 16:30	Sun 30/04/23 11:00	2914	Civils
2916			Curing time	48 hrs	Sun 30/04/23 11:00	Tue 02/05/23 11:00	2915	
2917			Clear the permit	0.25 hrs	Tue 02/05/23 11:00	Tue 02/05/23 11:15	2916	Civils,Operations
2918		**Area 28B**	**BICARBONATE FILTRATION - A LINE**	**131.75 hrs**	**Mon 17/04/23 06:30**	**Sat 29/04/23 13:15**		
2919			**OPERATIONS**	**21 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 07:00**		
2920			**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**	**2**	
2921			Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
2922			**CO2 COMPRESSOR HOUSING - Wash inside and outside**	**9 hrs**	**Mon 17/04/23 08:30**	**Mon 17/04/23 20:30**	**2920**	
2923			Organize Hoses And Ladder (Prior)	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		Operations
2924			Wash floors	6 hrs	Mon 17/04/23 08:30	Mon 17/04/23 14:30	2923	Operations
2925			Wash externally	6 hrs	Mon 17/04/23 14:30	Mon 17/04/23 20:30	2924	Operations
2926		**28B2FB01**	**FILTRATE RECIEVERS - Clean Recievers**	**10.5 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 23:00**		
2927			Open covers for all the tanks	4 hrs	Mon 17/04/23 07:00	Mon 17/04/23 11:00		Fitter
2928			Primary Filtrate Tank	3 hrs	Mon 17/04/23 11:00	Mon 17/04/23 14:00	2927	Operations
2929			Secondary Filtrate Tank	3 hrs	Mon 17/04/23 14:00	Mon 17/04/23 17:00	2928	Operations
2930			Third Stage Filtrate Tank	3 hrs	Mon 17/04/23 17:00	Mon 17/04/23 20:00	2929	Operations
2931			Fourth Filtrate Tank	3 hrs	Mon 17/04/23 20:00	Mon 17/04/23 23:00	2930	Operations
2932		**28B4FT01**	**VACUUM PUMP HOT WELL SUMP - Clean Hot Well Sump**	**15.5 hrs**	**Mon 17/04/23 06:30**	**Tue 18/04/23 12:00**		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2933			Organize A Submersible Pump (Prior)	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
2934			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45	2933	Operations
2935			Accept Permit	0.25 hrs	Mon 17/04/23 06:45	Mon 17/04/23 07:00	2934	Operations
2936			Pump/Drain Hot Well Sump	2.5 hrs	Mon 17/04/23 07:00	Mon 17/04/23 09:30	2935	Operations
2937			Remove Hot Well Sump Covers	2 hrs	Mon 17/04/23 09:30	Mon 17/04/23 11:30	2936	Operations
2938			Organize A Vessel Entry Permit	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	2937	Operations
2939			Clean The Hot Well Sump	24 hrs	Mon 17/04/23 11:45	Tue 18/04/23 11:45	2938	Operations
2940			Clear Permit	0.25 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:00	2939	Operations
2941		**28B2GK01**	**SLURRY HEAD TANK - Cleaning The Slurry Head Tank**	**16.25 hrs**	**Mon 17/04/23 06:30**	**Tue 18/04/23 13:15**		
2942			Organize Hoses And Ladder (Prior)	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
2943			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45	2942	Operations
2944			Accept Permit	0.25 hrs	Mon 17/04/23 06:45	Mon 17/04/23 07:00	2943	Operations
2945			Drain Slurry Head Tank	8 hrs	Mon 17/04/23 07:00	Mon 17/04/23 15:00	2944	Operations
2946			Clean Slurry Head Tank	16 hrs	Mon 17/04/23 15:00	Tue 18/04/23 07:00	2945	Operations
2947			Inspect Tank Internal	2 hrs	Mon 17/04/23 15:00	Mon 17/04/23 17:00	2946SS	Operations
2948			Possible repairs	20 hrs	Mon 17/04/23 17:00	Tue 18/04/23 13:00	2947	Operations
2949			Clear Permit	0.25 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:15	2948	Operations
2950		**28A2ST01**	**FILTRATION SCRUCTURE - Clean structure**	**21 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 07:00**		
2951			Make out permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
2952			Clean Filtration structure	48 hrs	Mon 17/04/23 06:45	Wed 19/04/23 06:45	2951	Operations
2953			Accept permit	0.25 hrs	Wed 19/04/23 06:45	Wed 19/04/23 07:00	2952	Operations
2954		**28B2FB08**	**CLOTH WASH TANK - Cleaning**	**11.25 hrs**	**Mon 17/04/23 06:30**	**Tue 18/04/23 07:45**		
2955			Organize A Submersible Pump (Prior)	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		
2956			Make Out Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	2955	
2957			Accept Permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	2956	
2958			Rig out top manhole cover	2 hrs	Mon 17/04/23 07:30	Mon 17/04/23 09:30	2957	
2959			Break and remove pump suction spool pieces	3 hrs	Mon 17/04/23 09:30	Mon 17/04/23 13:00	2958	
2960			Clean tank	3 hrs	Mon 17/04/23 13:00	Mon 17/04/23 16:00	2959	
2961			Mop floor	0.5 hrs	Mon 17/04/23 16:00	Mon 17/04/23 16:30	2960	
2962			Rig in top manhole cover	2 hrs	Mon 17/04/23 16:30	Tue 18/04/23 07:30	2961	
2963			Clear permit	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	2962	
2964			**MAINTENANCE STARTS**	**0 hrs**	**Mon 17/04/23 11:00**	**Mon 17/04/23 11:00**	**2920SS+4 h**	
2965			Maintenance jobs commence	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00		
2966			**MECHANICAL**	**127.75 hrs**	**Mon 17/04/23 11:00**	**Sat 29/04/23 13:15**	**2964**	
2967		**28B2FK01**	**# A BELT FILTER GEARBOX - Filter Drive Unit Change Oil**	**4.25 hrs**	**Mon 17/04/23 11:00**	**Mon 17/04/23 15:45**		
2968			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
2969			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	2968	Filt-FT3,Sthick Ft5
2970			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	2969	Filt-FT3,Sthick Ft5
2971			Prepare An Empty Drum For The Used Oil And Have It Readily Available	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	2970	Filt-FT3,Sthick Ft5
2972			Connect Hose To The Drain Valve And Direct It To The Empty Drum	0.5 hrs	Mon 17/04/23 12:30	Mon 17/04/23 13:00	2971	Filt-FT3,Sthick Ft5
2973			Remove The Breather And Open Drain Valve	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15	2972	Filt-FT3,Sthick Ft5
2974			Flush The Gear Box	0.5 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:45	2973	Filt-FT3,Sthick Ft5
2975			Close The Drain Valve And Remove The Hose	0.25 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:00	2974	Filt-FT3,Sthick Ft5
2976			Open The Filler Plug	0.25 hrs	Mon 17/04/23 14:00	Mon 17/04/23 14:15	2975	Filt-FT3,Sthick Ft5
2977			Re Fill To The Correct Level	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	2976	Filt-FT3,Sthick Ft5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
2978			Replace The Breather	0.25 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:00	2977	Filt-FT3,Sthick Ft5
2979			Close The Filler Plug	0.25 hrs	Mon 17/04/23 15:00	Mon 17/04/23 15:15	2978	Filt-FT3,Sthick Ft5
2980			Carry Out House Keeping	0.25 hrs	Mon 17/04/23 15:15	Mon 17/04/23 15:30	2979	Filt-FT3,Sthick Ft5
2981			Clear Permit	0.25 hrs	Mon 17/04/23 15:30	Mon 17/04/23 15:45	2980	Filt-FT3,Sthick Ft5
2982		**28B2RE01**	**# A BICARBONATE BELT CONVEYOR - Replace conveyor belt**	**26.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 17:15**		
2983			A Bi- Carbo Belt Conveyor - Replace Belt Conveyor	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00		Filt-FT5,Sthick Ft6
2984			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	2983	Operations
2985			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	2984	Filt-FT5,Sthick Ft6
2986			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	2985	Filt-FT5,Sthick Ft6
2987			Run The Conveyor And Mark All Defective Rollers	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	2986	Filt-FT5,Sthick Ft6
2988			Stop And Isolate The Covenyor	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	2987	Filt-FT5,Sthick Ft6
2989			Slack The Conveyor	0.5 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:30	2988	Filt-FT5,Sthick Ft6
2990			Remove Guards On The Drop Out Chutes	0.5 hrs	Mon 17/04/23 13:30	Mon 17/04/23 14:00	2989	Filt-FT5,Sthick Ft6
2991			Cut And Join Old Belt To The New One	2 hrs	Mon 17/04/23 14:00	Mon 17/04/23 16:00	2990	Filt-FT5,Sthick Ft6
2992			Remove Scrapers	2 hrs	Mon 17/04/23 16:00	Mon 17/04/23 18:00	2991	Filt-FT5,Sthick Ft6
2993			Pull Out The Old Belt Until The Correct Size Of The New Belt Has Been Installed	1 hr	Tue 18/04/23 07:00	Tue 18/04/23 08:00	2992	Filt-FT5,Sthick Ft6
2994			Loosen The Impact Bed And Rig Out	2 hrs	Tue 18/04/23 08:00	Tue 18/04/23 10:00	2993	Filt-FT5,Sthick Ft6,G Moeseraela,T Moloi,K Gabantoge
2995			Rig In The New Impact Bed	2 hrs	Tue 18/04/23 10:00	Tue 18/04/23 12:00	2994	Filt-FT5,Sthick Ft6,G Moeseraela,T Moloi,K Gabantoge
2996			Replace All Defective Idlers Including Self Tracking Rollers	1.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 14:00	2995	Filt-FT5,Sthick Ft6
2997			Remove Troughing Idler Frame To Accommodate Splicing Machine	0.5 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:30	2996	Filt-FT5,Sthick Ft6
2998			Perform Hot Splicing	3 hrs	Tue 18/04/23 14:30	Tue 18/04/23 17:30	2997	Filt-FT5,Sthick Ft6
2999			Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Tue 18/04/23 17:30	Wed 19/04/23 08:30	2998	Filt-FT5,Sthick Ft6
3000			Remove V Belt Guards	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	2999	Filt-FT5,Sthick Ft6
3001			Replace V Belts,Then Tension To The Correct Force And Deflection And Confirm Alignment	1 hr	Wed 19/04/23 08:45	Wed 19/04/23 09:45	3000	Filt-FT5,Sthick Ft6
3002			Replace Guard	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	3001	Filt-FT5,Sthick Ft6
3003			Remove The Splicing Machine After Completion	0.5 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:30	3002	Filt-FT5,Sthick Ft6
3004			Replace The Troughing Idler Frame And Secure	0.5 hrs	Wed 19/04/23 10:30	Wed 19/04/23 11:00	3003	Filt-FT5,Sthick Ft6
3005			Tension The Conveyor	0.5 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:30	3004	Filt-FT5,Sthick Ft6
3006			Install New Scrapers And Adjust Accordingly	1 hr	Wed 19/04/23 11:30	Wed 19/04/23 13:00	3005	Filt-FT5,Sthick Ft6
3007			Replace Skirtings And Adjust Accordingly	2 hrs	Wed 19/04/23 13:00	Wed 19/04/23 15:00	3006	Filt-FT5,Sthick Ft6
3008			Carry Out Housekeeping	0.25 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:15	3007	Filt-FT5,Sthick Ft6
3009			Sign Off The Permit And Obtain Test Run Permit	0.25 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:30	3008	Filt-FT5,Sthick Ft6
3010			Run The Conveyor And Track It	1 hr	Wed 19/04/23 15:30	Wed 19/04/23 16:30	3009	Filt-FT5,Sthick Ft6
3011			Isolate And Replace Guards	0.5 hrs	Wed 19/04/23 16:30	Wed 19/04/23 17:00	3010	Filt-FT5,Sthick Ft6
3012			Clear Permit	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	3011	Filt-FT5,Sthick Ft6
3013		**28B2FB08**	**CLOTH WASH TANK - Relocate manhole cover**	**25.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 16:15**		
3014			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		M Ramatlhakeng,S Monna
3015			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3014	M Ramatlhakeng,S Monna
3016			Measure and mark manhole profile	3 hrs	Mon 17/04/23 11:30	Mon 17/04/23 15:00	3015	M Ramatlhakeng,S Monna
3017			Cut out rubberlining around area to be cut	3 hrs	Mon 17/04/23 15:00	Mon 17/04/23 18:00	3016	M Ramatlhakeng,S Monna
3018			Cut manhole	4 hrs	Tue 18/04/23 07:00	Tue 18/04/23 11:00	3017	M Ramatlhakeng,S Monna
3019			Fabricate manhole cover and hinges	6 hrs	Tue 18/04/23 11:00	Tue 18/04/23 17:30	3018	M Ramatlhakeng,S Monna
3020			Rubberline cover	2 hrs	Tue 18/04/23 17:30	Wed 19/04/23 08:30	3019	Horizons

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3021			Curing time	2 hrs	Wed 19/04/23 08:30	Wed 19/04/23 10:30	3020	
3022			Weld in manhole cover hinges	2 hrs	Wed 19/04/23 10:30	Wed 19/04/23 13:00	3021	Weld (Ash)
3023			Install and close manhole cover	3 hrs	Wed 19/04/23 13:00	Wed 19/04/23 16:00	3022	M Ramatlhakeng,S Monna
3024			Clear Permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	3023	M Ramatlhakeng,S Monna
3025		**28B2GA07**	**# 1 CLOTH WASH PUMP - Carry Out Inspection**	**11.25 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 11:45**		
3026			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3027			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3026	Filt-FT2,Sthick Ft2
3028			Remove Guard	0.5 hrs	Mon 17/04/23 11:30	Mon 17/04/23 12:00	3027	Filt-FT2,Sthick Ft2
3029			Inspect Coupling	1 hr	Mon 17/04/23 12:30	Mon 17/04/23 13:30	3028	Filt-FT2,Sthick Ft2
3030			Check all mounting bolts	0.5 hrs	Mon 17/04/23 13:30	Mon 17/04/23 14:00	3029	Filt-FT2,Sthick Ft2
3031			Check condition of the base	1 hr	Mon 17/04/23 14:00	Mon 17/04/23 15:00	3030	Filt-FT2,Sthick Ft2
3032			Check all flanges both discharge& suction	0.5 hrs	Mon 17/04/23 15:00	Mon 17/04/23 15:30	3031	Filt-FT2,Sthick Ft2
3033			Inspect all belows	1 hr	Mon 17/04/23 15:30	Mon 17/04/23 16:30	3032	Filt-FT2,Sthick Ft2
3034			Drain& Refill Oil	1.5 hrs	Mon 17/04/23 16:30	Mon 17/04/23 18:00	3033	Filt-FT2,Sthick Ft2
3035			Repack glands	1 hr	Tue 18/04/23 07:00	Tue 18/04/23 08:00	3034	Filt-FT2,Sthick Ft2
3036			Carry Out or cross check Laser Alignment	3 hrs	Tue 18/04/23 08:00	Tue 18/04/23 11:00	3035	Reliability
3037			Replace Guard	0.5 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:30	3036	Filt-FT2,Sthick Ft2
3038			Clear Permit	0.25 hrs	Tue 18/04/23 11:30	Tue 18/04/23 11:45	3037	Filt-FT2,Sthick Ft2
3039		**28B2GA08**	**# 2 CLOTH WASH PUMP - Carry Out Inspection**	**11.25 hrs**	**Tue 18/04/23 11:45**	**Wed 19/04/23 13:00**	**3025**	
3040			Make Out Permit	0.25 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:00		Operations
3041			Accept Permit	0.25 hrs	Tue 18/04/23 12:30	Tue 18/04/23 12:45	3040	Filt-FT2,Sthick Ft2
3042			Remove Guard	0.5 hrs	Tue 18/04/23 12:45	Tue 18/04/23 13:15	3041	Filt-FT2,Sthick Ft2
3043			Inspect Coupling	1 hr	Tue 18/04/23 13:15	Tue 18/04/23 14:15	3042	Filt-FT2,Sthick Ft2
3044			Check all mounting bolts	0.5 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:45	3043	Filt-FT2,Sthick Ft2
3045			Check condition of the base	1 hr	Tue 18/04/23 14:45	Tue 18/04/23 15:45	3044	Filt-FT2,Sthick Ft2
3046			Check all flanges both discharge& suction	0.5 hrs	Tue 18/04/23 15:45	Tue 18/04/23 16:15	3045	Filt-FT2,Sthick Ft2
3047			Inspect all belows	1 hr	Tue 18/04/23 16:15	Tue 18/04/23 17:15	3046	Filt-FT2,Sthick Ft2
3048			Drain& Refill Oil	1.5 hrs	Tue 18/04/23 17:15	Wed 19/04/23 07:45	3047	Filt-FT2,Sthick Ft2
3049			Repack glands	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	3048	Filt-FT2,Sthick Ft2
3050			Carry Out or cross check Laser Alignment	3 hrs	Wed 19/04/23 08:45	Wed 19/04/23 11:45	3049	Reliability
3051			Replace Guard	0.5 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:45	3050	Filt-FT2,Sthick Ft2
3052			Clear Permit	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00	3051	Filt-FT2,Sthick Ft2
3053		**28B2GA01**	**# A PRIMARY FILTRATE PUMP A1 - Overhaul Pump**	**22.85 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 13:21**		
3054			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3055			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3054	Filt-FT7,Sthick Ft3
3056			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3055	Filt-FT7,Sthick Ft3
3057			Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Mon 17/04/23 11:45	Mon 17/04/23 11:51	3056	Filt-FT7,Sthick Ft3
3058			Remove Guard	0.25 hrs	Mon 17/04/23 11:51	Mon 17/04/23 12:36	3057	Filt-FT7,Sthick Ft3
3059			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Mon 17/04/23 12:36	Mon 17/04/23 12:51	3058	Filt-FT7,Sthick Ft3
3060			Remove V Belts And Inspect Them	0.5 hrs	Mon 17/04/23 12:51	Mon 17/04/23 13:21	3059	Filt-FT7,Sthick Ft3
3061			Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Mon 17/04/23 13:21	Mon 17/04/23 13:51	3060	Filt-FT7,Sthick Ft3
3062			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Mon 17/04/23 13:51	Mon 17/04/23 14:51	3061	Filt-FT7,Sthick Ft3
3063			Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Mon 17/04/23 14:51	Mon 17/04/23 17:51	3062	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantogele
3064			Strip and overhaul	12 hrs	Mon 17/04/23 17:51	Wed 19/04/23 08:21	3063	Filt-FT7,Sthick Ft3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3065			Transport Pump To The Site	0.5 hrs	Wed 19/04/23 08:21	Wed 19/04/23 08:51	3064	Filt-FT7,Sthick Ft3
3066			Rig In Position And Secure	1.5 hrs	Wed 19/04/23 08:51	Wed 19/04/23 10:21	3065	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3067			Rig In Motor And Its Base	0.5 hrs	Wed 19/04/23 10:21	Wed 19/04/23 10:51	3066	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3068			Align The Motor And Pump Pulley	0.5 hrs	Wed 19/04/23 10:51	Wed 19/04/23 11:21	3067	Filt-FT7,Sthick Ft3
3069			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Wed 19/04/23 11:21	Wed 19/04/23 11:51	3068	Filt-FT7,Sthick Ft3
3070			Replace Guards And Secure	0.25 hrs	Wed 19/04/23 11:51	Wed 19/04/23 12:36	3069	Filt-FT7,Sthick Ft3
3071			Carry Out House Keeping	0.25 hrs	Wed 19/04/23 12:36	Wed 19/04/23 12:51	3070	Filt-FT7,Sthick Ft3
3072			Sign Off Permit	0.25 hrs	Wed 19/04/23 12:51	Wed 19/04/23 13:06	3071	Filt-FT7,Sthick Ft3
3073			Clear Permit	0.25 hrs	Wed 19/04/23 13:06	Wed 19/04/23 13:21	3072	Filt-FT7,Sthick Ft3
3074		**28B2GA01**	**# A PRIMARY FILTRATE PUMP A2 - Overhaul Pump**	**22.85 hrs**	**Wed 19/04/23 13:21**	**Fri 21/04/23 15:12**	**3053**	
3075			Make Out Permit	0.25 hrs	Wed 19/04/23 13:21	Wed 19/04/23 13:36		Operations
3076			Accept Permit	0.25 hrs	Wed 19/04/23 13:36	Wed 19/04/23 13:51	3075	Filt-FT7,Sthick Ft3
3077			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 13:51	Wed 19/04/23 14:06	3076	Filt-FT7,Sthick Ft3
3078			Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Wed 19/04/23 14:06	Wed 19/04/23 14:12	3077	Filt-FT7,Sthick Ft3
3079			Remove Guard	0.25 hrs	Wed 19/04/23 14:12	Wed 19/04/23 14:27	3078	Filt-FT7,Sthick Ft3
3080			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Wed 19/04/23 14:27	Wed 19/04/23 14:42	3079	Filt-FT7,Sthick Ft3
3081			Remove V Belts And Inspect Them	0.5 hrs	Wed 19/04/23 14:42	Wed 19/04/23 15:12	3080	Filt-FT7,Sthick Ft3
3082			Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Wed 19/04/23 15:12	Wed 19/04/23 15:42	3081	Filt-FT7,Sthick Ft3
3083			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Wed 19/04/23 15:42	Wed 19/04/23 16:42	3082	Filt-FT7,Sthick Ft3
3084			Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Wed 19/04/23 16:42	Thu 20/04/23 08:42	3083	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantogele
3085			Strip and overhaul	12 hrs	Thu 20/04/23 08:42	Fri 21/04/23 10:12	3084	Filt-FT7,Sthick Ft3
3086			Transport Pump To The Site	0.5 hrs	Fri 21/04/23 10:12	Fri 21/04/23 10:42	3085	Filt-FT7,Sthick Ft3
3087			Rig In Position And Secure	1.5 hrs	Fri 21/04/23 10:42	Fri 21/04/23 12:42	3086	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3088			Rig In Motor And Its Base	0.5 hrs	Fri 21/04/23 12:42	Fri 21/04/23 13:12	3087	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3089			Align The Motor And Pump Pulley	0.5 hrs	Fri 21/04/23 13:12	Fri 21/04/23 13:42	3088	Filt-FT7,Sthick Ft3
3090			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 21/04/23 13:42	Fri 21/04/23 14:12	3089	Filt-FT7,Sthick Ft3
3091			Replace Guards And Secure	0.25 hrs	Fri 21/04/23 14:12	Fri 21/04/23 14:27	3090	Filt-FT7,Sthick Ft3
3092			Carry Out House Keeping	0.25 hrs	Fri 21/04/23 14:27	Fri 21/04/23 14:42	3091	Filt-FT7,Sthick Ft3
3093			Sign Off Permit	0.25 hrs	Fri 21/04/23 14:42	Fri 21/04/23 14:57	3092	Filt-FT7,Sthick Ft3
3094			Clear Permit	0.25 hrs	Fri 21/04/23 14:57	Fri 21/04/23 15:12	3093	Filt-FT7,Sthick Ft3
3095		**28B2GA02**	**# A SECOND STAGE FILTRATE PUMP - Overhaul And Replace The Pump**	**22.85 hrs**	**Fri 21/04/23 15:12**	**Sun 23/04/23 17:03**	**3074**	
3096			Make Out Permit	0.25 hrs	Fri 21/04/23 15:12	Fri 21/04/23 15:27		Operations
3097			Accept Permit	0.25 hrs	Fri 21/04/23 15:27	Fri 21/04/23 15:42	3096	Filt-FT7,Sthick Ft3
3098			Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 15:42	Fri 21/04/23 15:57	3097	Filt-FT7,Sthick Ft3
3099			Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Fri 21/04/23 15:57	Fri 21/04/23 16:03	3098	Filt-FT7,Sthick Ft3
3100			Remove Guard	0.25 hrs	Fri 21/04/23 16:03	Fri 21/04/23 16:18	3099	Filt-FT7,Sthick Ft3
3101			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Fri 21/04/23 16:18	Fri 21/04/23 16:33	3100	Filt-FT7,Sthick Ft3
3102			Remove V Belts And Inspect Them	0.5 hrs	Fri 21/04/23 16:33	Fri 21/04/23 17:03	3101	Filt-FT7,Sthick Ft3
3103			Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Fri 21/04/23 17:03	Fri 21/04/23 17:33	3102	Filt-FT7,Sthick Ft3
3104			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Fri 21/04/23 17:33	Sat 22/04/23 07:33	3103	Filt-FT7,Sthick Ft3
3105			Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Sat 22/04/23 07:33	Sat 22/04/23 10:33	3104	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3106			Strip and overhaul	12 hrs	Sat 22/04/23 10:33	Sun 23/04/23 12:33	3105	Filt-FT7,Sthick Ft3
3107			Transport Pump To The Site	0.5 hrs	Sun 23/04/23 12:33	Sun 23/04/23 13:03	3106	Filt-FT7,Sthick Ft3
3108			Rig In Position And Secure	1.5 hrs	Sun 23/04/23 13:03	Sun 23/04/23 14:33	3107	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3109			Rig In Motor And Its Base	0.5 hrs	Sun 23/04/23 14:33	Sun 23/04/23 15:03	3108	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3110			Align The Motor And Pump Pulley	0.5 hrs	Sun 23/04/23 15:03	Sun 23/04/23 15:33	3109	Filt-FT7,Sthick Ft3
3111			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Sun 23/04/23 15:33	Sun 23/04/23 16:03	3110	Filt-FT7,Sthick Ft3
3112			Replace Guards And Secure	0.25 hrs	Sun 23/04/23 16:03	Sun 23/04/23 16:18	3111	Filt-FT7,Sthick Ft3
3113			Carry Out House Keeping	0.25 hrs	Sun 23/04/23 16:18	Sun 23/04/23 16:33	3112	Filt-FT7,Sthick Ft3
3114			Sign Off Permit	0.25 hrs	Sun 23/04/23 16:33	Sun 23/04/23 16:48	3113	Filt-FT7,Sthick Ft3
3115			Clear Permit	0.25 hrs	Sun 23/04/23 16:48	Sun 23/04/23 17:03	3114	Filt-FT7,Sthick Ft3
3116		**28B2GA02**	**# A SECOND STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Sun 23/04/23 17:03**	**Mon 24/04/23 10:33**	**3095**	
3117			Make out permit	0.25 hrs	Sun 23/04/23 17:03	Sun 23/04/23 17:18		Operations
3118			Accept permit	0.25 hrs	Sun 23/04/23 17:18	Sun 23/04/23 17:33	3117	Filt-FT8,Filt-FT9
3119			Carry out risk assement	0.25 hrs	Sun 23/04/23 17:33	Sun 23/04/23 17:48	3118	Filt-FT8,Filt-FT9
3120			Loosen & remove all securing bolts	1 hr	Sun 23/04/23 17:48	Mon 24/04/23 07:48	3119	Filt-FT8,Filt-FT9
3121			Remove old valve	0.5 hrs	Mon 24/04/23 07:48	Mon 24/04/23 08:18	3120	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3122			Install new valve	1 hr	Mon 24/04/23 08:18	Mon 24/04/23 09:18	3121	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3123			Replace all bolts	0.25 hrs	Mon 24/04/23 09:18	Mon 24/04/23 09:33	3122	Filt-FT8,Filt-FT9
3124			Tighten all bolts in correct sequence	0.5 hrs	Mon 24/04/23 09:33	Mon 24/04/23 10:03	3123	Filt-FT8,Filt-FT9
3125			Housekeeping	0.25 hrs	Mon 24/04/23 10:03	Mon 24/04/23 10:18	3124	Filt-FT8,Filt-FT9
3126			Clear permit	0.25 hrs	Mon 24/04/23 10:18	Mon 24/04/23 10:33	3125	Filt-FT8,Filt-FT9
3127		**28B2GA03**	**# A 3RD STAGE FILTRATE PUMP - Overhaul And Replace The Pump**	**22.85 hrs**	**Mon 24/04/23 10:33**	**Wed 26/04/23 12:54**	**3116**	
3128			Make Out Permit	0.25 hrs	Mon 24/04/23 10:33	Mon 24/04/23 10:48		Operations
3129			Accept Permit	0.25 hrs	Mon 24/04/23 10:48	Mon 24/04/23 11:03	3128	Filt-FT7,Sthick Ft3
3130			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 11:03	Mon 24/04/23 11:18	3129	Filt-FT7,Sthick Ft3
3131			Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Mon 24/04/23 11:18	Mon 24/04/23 11:24	3130	Filt-FT7,Sthick Ft3
3132			Remove Guard	0.25 hrs	Mon 24/04/23 11:24	Mon 24/04/23 11:39	3131	Filt-FT7,Sthick Ft3
3133			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Mon 24/04/23 11:39	Mon 24/04/23 11:54	3132	Filt-FT7,Sthick Ft3
3134			Remove V Belts And Inspect Them	0.5 hrs	Mon 24/04/23 11:54	Mon 24/04/23 12:54	3133	Filt-FT7,Sthick Ft3
3135			Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Mon 24/04/23 12:54	Mon 24/04/23 13:24	3134	Filt-FT7,Sthick Ft3
3136			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Mon 24/04/23 13:24	Mon 24/04/23 14:24	3135	Filt-FT7,Sthick Ft3
3137			Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Mon 24/04/23 14:24	Mon 24/04/23 17:24	3136	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantogele
3138			Strip and overhaul	12 hrs	Mon 24/04/23 17:24	Wed 26/04/23 07:54	3137	Filt-FT7,Sthick Ft3
3139			Transport Pump To The Site	0.5 hrs	Wed 26/04/23 07:54	Wed 26/04/23 08:24	3138	Filt-FT7,Sthick Ft3
3140			Rig In Position And Secure	1.5 hrs	Wed 26/04/23 08:24	Wed 26/04/23 09:54	3139	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3141			Rig In Motor And Its Base	0.5 hrs	Wed 26/04/23 09:54	Wed 26/04/23 10:24	3140	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3142			Align The Motor And Pump Pulley	0.5 hrs	Wed 26/04/23 10:24	Wed 26/04/23 10:54	3141	Filt-FT7,Sthick Ft3
3143			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Wed 26/04/23 10:54	Wed 26/04/23 11:24	3142	Filt-FT7,Sthick Ft3
3144			Replace Guards And Secure	0.25 hrs	Wed 26/04/23 11:24	Wed 26/04/23 11:39	3143	Filt-FT7,Sthick Ft3
3145			Carry Out House Keeping	0.25 hrs	Wed 26/04/23 11:39	Wed 26/04/23 11:54	3144	Filt-FT7,Sthick Ft3
3146			Sign Off Permit	0.25 hrs	Wed 26/04/23 11:54	Wed 26/04/23 12:39	3145	Filt-FT7,Sthick Ft3
3147			Clear Permit	0.25 hrs	Wed 26/04/23 12:39	Wed 26/04/23 12:54	3146	Filt-FT7,Sthick Ft3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3148		**28B2GA03**	**# A 3RD STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Wed 26/04/23 12:54**	**Wed 26/04/23 17:24**	**3127**	
3149			Make out permit	0.25 hrs	Wed 26/04/23 12:54	Wed 26/04/23 13:09		Operations
3150			Accept permit	0.25 hrs	Wed 26/04/23 13:09	Wed 26/04/23 13:24	3149	Filt-FT8,Filt-FT9
3151			Carry out risk assement	0.25 hrs	Wed 26/04/23 13:24	Wed 26/04/23 13:39	3150	Filt-FT8,Filt-FT9
3152			Loosen & remove all securing bolts	1 hr	Wed 26/04/23 13:39	Wed 26/04/23 14:39	3151	Filt-FT8,Filt-FT9
3153			Remove old valve	0.5 hrs	Wed 26/04/23 14:39	Wed 26/04/23 15:09	3152	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3154			Install new valve	1 hr	Wed 26/04/23 15:09	Wed 26/04/23 16:09	3153	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3155			Replace all bolts	0.25 hrs	Wed 26/04/23 16:09	Wed 26/04/23 16:24	3154	Filt-FT8,Filt-FT9
3156			Tighten all bolts in correct sequence	0.5 hrs	Wed 26/04/23 16:24	Wed 26/04/23 16:54	3155	Filt-FT8,Filt-FT9
3157			Housekeeping	0.25 hrs	Wed 26/04/23 16:54	Wed 26/04/23 17:09	3156	Filt-FT8,Filt-FT9
3158			Clear permit	0.25 hrs	Wed 26/04/23 17:09	Wed 26/04/23 17:24	3157	Filt-FT8,Filt-FT9
3159		**28B2GA04**	**# A 4TH STAGE FILTRATE PUMP - Overhaul And Replace The Pump**	**22.85 hrs**	**Wed 26/04/23 17:24**	**Sat 29/04/23 08:15**	**3148**	
3160			Make Out Permit	0.25 hrs	Wed 26/04/23 17:24	Wed 26/04/23 17:39		Operations
3161			Accept Permit	0.25 hrs	Wed 26/04/23 17:39	Wed 26/04/23 17:54	3160	Filt-FT7,Sthick Ft3
3162			Carry Out Risk Assesment	0.25 hrs	Wed 26/04/23 17:54	Thu 27/04/23 07:09	3161	Filt-FT7,Sthick Ft3
3163			Close Gland Service Water Valve And Disconnect Pipe	0.1 hrs	Thu 27/04/23 07:09	Thu 27/04/23 07:15	3162	Filt-FT7,Sthick Ft3
3164			Remove Guard	0.25 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:30	3163	Filt-FT7,Sthick Ft3
3165			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Thu 27/04/23 07:30	Thu 27/04/23 07:45	3164	Filt-FT7,Sthick Ft3
3166			Remove V Belts And Inspect Them	0.5 hrs	Thu 27/04/23 07:45	Thu 27/04/23 08:15	3165	Filt-FT7,Sthick Ft3
3167			Undo The Bottom Nut For The Adjusting Studs	0.5 hrs	Thu 27/04/23 08:15	Thu 27/04/23 08:45	3166	Filt-FT7,Sthick Ft3
3168			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Thu 27/04/23 08:45	Thu 27/04/23 09:45	3167	Filt-FT7,Sthick Ft3
3169			Loosen, Remove All The Pump Mounting Bolts, Rig out & transport to workshop	3 hrs	Thu 27/04/23 09:45	Thu 27/04/23 13:15	3168	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantogele
3170			Strip and overhaul	12 hrs	Thu 27/04/23 13:15	Fri 28/04/23 14:45	3169	Filt-FT7,Sthick Ft3
3171			Transport Pump To The Site	0.5 hrs	Fri 28/04/23 14:45	Fri 28/04/23 15:15	3170	Filt-FT7,Sthick Ft3
3172			Rig In Position And Secure	1.5 hrs	Fri 28/04/23 15:15	Fri 28/04/23 16:45	3171	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3173			Rig In Motor And Its Base	0.5 hrs	Fri 28/04/23 16:45	Fri 28/04/23 17:15	3172	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3174			Align The Motor And Pump Pulley	0.5 hrs	Fri 28/04/23 17:15	Fri 28/04/23 17:45	3173	Filt-FT7,Sthick Ft3
3175			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 28/04/23 17:45	Sat 29/04/23 07:15	3174	Filt-FT7,Sthick Ft3
3176			Replace Guards And Secure	0.25 hrs	Sat 29/04/23 07:15	Sat 29/04/23 07:30	3175	Filt-FT7,Sthick Ft3
3177			Carry Out House Keeping	0.25 hrs	Sat 29/04/23 07:30	Sat 29/04/23 07:45	3176	Filt-FT7,Sthick Ft3
3178			Sign Off Permit	0.25 hrs	Sat 29/04/23 07:45	Sat 29/04/23 08:00	3177	Filt-FT7,Sthick Ft3
3179			Clear Permit	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	3178	Filt-FT7,Sthick Ft3
3180		**28B2GA04**	**# A 4TH STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Sat 29/04/23 08:15**	**Sat 29/04/23 13:15**	**3159**	
3181			Make out permit	0.25 hrs	Sat 29/04/23 08:15	Sat 29/04/23 08:30		Operations
3182			Accept permit	0.25 hrs	Sat 29/04/23 08:30	Sat 29/04/23 08:45	3181	Filt-FT8,Filt-FT9
3183			Carry out risk assement	0.25 hrs	Sat 29/04/23 08:45	Sat 29/04/23 09:00	3182	Filt-FT8,Filt-FT9
3184			Loosen & remove all securing bolts	1 hr	Sat 29/04/23 09:00	Sat 29/04/23 10:00	3183	Filt-FT8,Filt-FT9
3185			Remove old valve	0.5 hrs	Sat 29/04/23 10:00	Sat 29/04/23 10:30	3184	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3186			Install new valve	1 hr	Sat 29/04/23 10:30	Sat 29/04/23 11:30	3185	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3187			Replace all bolts	0.25 hrs	Sat 29/04/23 11:30	Sat 29/04/23 11:45	3186	Filt-FT8,Filt-FT9
3188			Tighten all bolts in correct sequence	0.5 hrs	Sat 29/04/23 11:45	Sat 29/04/23 12:45	3187	Filt-FT8,Filt-FT9
3189			Housekeeping	0.25 hrs	Sat 29/04/23 12:45	Sat 29/04/23 13:00	3188	Filt-FT8,Filt-FT9
3190			Clear permit	0.25 hrs	Sat 29/04/23 13:00	Sat 29/04/23 13:15	3189	Filt-FT8,Filt-FT9

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3191		**28B4FT01**	**VACUUM PUMP HOT WELL SUMP - Replace Float Switch**	**5 hrs**	**Mon 17/04/23 11:00**	**Mon 17/04/23 16:30**		
3192			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3193			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3192	Filt-FT7,Sthick Ft3
3194			Loosen pivot bolt	1.5 hrs	Mon 17/04/23 11:30	Mon 17/04/23 13:30	3193	Filt-FT7,Sthick Ft3
3195			Remove float switch	1.5 hrs	Mon 17/04/23 13:30	Mon 17/04/23 15:00	3194	Filt-FT7,Sthick Ft3
3196			Install new float switch	1 hr	Mon 17/04/23 15:00	Mon 17/04/23 16:00	3195	Filt-FT7,Sthick Ft3
3197			Tighten pivot bolt	0.25 hrs	Mon 17/04/23 16:00	Mon 17/04/23 16:15	3196	Filt-FT7,Sthick Ft3
3198			Clear permit	0.25 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:30	3197	Filt-FT7,Sthick Ft3
3199		**28B2EA01**	**1 SEAL WATER HEAT EXCHANGER - Open,Clean And Repair**	**13.25 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 14:15**		
3200			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3201			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3200	Filt-FT7,Sthick Ft3
3202			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3201	Filt-FT7,Sthick Ft3
3203			Remove The Denso Tape	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	3202	Filt-FT7,Sthick Ft3
3204			Loosen And Remove Tie Rod Following The Correct Sequence To Avoid Twisting And The Plates	2 hrs	Mon 17/04/23 12:30	Mon 17/04/23 14:30	3203	Filt-FT7,Sthick Ft3
3205			Pull The Plate Follower Backwards To Allow Easy Removal Of The Plates	0.5 hrs	Mon 17/04/23 14:30	Mon 17/04/23 15:00	3204	Filt-FT7,Sthick Ft3
3206			Spread The Plates Along The Cross Beam For Easy Washing Of The Plate:	0.5 hrs	Mon 17/04/23 15:00	Mon 17/04/23 15:30	3205	Filt-FT7,Sthick Ft3
3207			Wash All The Plates While Hanging On The Beam	0.5 hrs	Mon 17/04/23 15:30	Mon 17/04/23 16:00	3206	Filt-FT7,Sthick Ft3
3208			Remove The Plates And Stack Them On The Pallets According To Their Pattern	1 hr	Mon 17/04/23 16:00	Mon 17/04/23 17:00	3207	Filt-FT7,Sthick Ft3
3209			Wash And Inspect Thoroughly Each Plate And Gasket For Cracks,Wear,Holes And Deformation	2 hrs	Mon 17/04/23 17:00	Tue 18/04/23 08:00	3208	Filt-FT7,Sthick Ft3
3210			Repack The Plates Back On The Beam According Replacing The Damaged Ones During The Process	2 hrs	Tue 18/04/23 08:00	Tue 18/04/23 10:00	3209	Filt-FT7,Sthick Ft3
3211			Reposition The Follower And Tie Rods	0.5 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:30	3210	Filt-FT7,Sthick Ft3
3212			Tighten The Tie Rods So That The Back Plate Moves And Compresses The Plates Squarely	1 hr	Tue 18/04/23 10:30	Tue 18/04/23 11:30	3211	Filt-FT7,Sthick Ft3
3213			Pressure Test And Check For Leaks	1 hr	Tue 18/04/23 11:30	Tue 18/04/23 13:00	3212	Filt-FT7,Sthick Ft3
3214			Apply Anti Seize To The Tie Rods And Wrap With Denso After Completio	0.5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:30	3213	Filt-FT7,Sthick Ft3
3215			Carry Out Housekeeping	0.25 hrs	Tue 18/04/23 13:30	Tue 18/04/23 13:45	3214	Filt-FT7,Sthick Ft3
3216			Sign Off Permit	0.25 hrs	Tue 18/04/23 13:45	Tue 18/04/23 14:00	3215	Filt-FT7,Sthick Ft3
3217			Clear Permit	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	3216	Filt-FT7,Sthick Ft3
3218		**28B2EA02**	**2 SEAL WATER HEAT EXCHANGER - Open,Clean And Repair**	**13.25 hrs**	**Tue 18/04/23 14:15**	**Wed 19/04/23 17:00**	**3199**	
3219			Make Out Permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30		Operations
3220			Accept Permit	0.25 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:45	3219	Filt-FT7,Sthick Ft3
3221			Carry Out Risk Assesment	0.25 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:00	3220	Filt-FT7,Sthick Ft3
3222			Remove The Denso Tape	0.25 hrs	Tue 18/04/23 15:00	Tue 18/04/23 15:15	3221	Filt-FT7,Sthick Ft3
3223			Loosen And Remove Tie Rod To Avoid Twisting And The Plates	2 hrs	Tue 18/04/23 15:15	Tue 18/04/23 17:15	3222	Filt-FT7,Sthick Ft3
3224			Pull The Plate Follower Backwards To Allow Easy Removal Of The Plates	0.5 hrs	Tue 18/04/23 17:15	Tue 18/04/23 17:45	3223	Filt-FT7,Sthick Ft3
3225			Spread The Plates Along The Cross Beam For Easy Washing Of The Plate:	0.5 hrs	Tue 18/04/23 17:45	Wed 19/04/23 07:15	3224	Filt-FT7,Sthick Ft3
3226			Wash All The Plates While Hanging On The Beam	0.5 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:45	3225	Filt-FT7,Sthick Ft3
3227			Remove The Plates And Stack Them On The Pallets According To Their Pattern	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	3226	Filt-FT7,Sthick Ft3
3228			Wash And Inspect Thoroughly Each Plate And Gasket For Cracks,Wear,Holes And Deformation	2 hrs	Wed 19/04/23 08:45	Wed 19/04/23 10:45	3227	Filt-FT7,Sthick Ft3

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3229		Repack The Plates Back On The Beam According Replacing The Damaged Ones During The Process	2 hrs	Wed 19/04/23 10:45	Wed 19/04/23 13:15	3228	Filt-FT7,Sthick Ft3
3230		Reposition The Follower And Tie Rods	0.5 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:45	3229	Filt-FT7,Sthick Ft3
3231		Tighten The Tie Rods So That The Back Plate Moves And Compresses The Plates Squarely	1 hr	Wed 19/04/23 13:45	Wed 19/04/23 14:45	3230	Filt-FT7,Sthick Ft3
3232		Pressure Test And Check For Leaks	1 hr	Wed 19/04/23 14:45	Wed 19/04/23 15:45	3231	Filt-FT7,Sthick Ft3
3233		Apply Anti Seize To The Tie Rods And Wrap With Denso After Completio	0.5 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:15	3232	Filt-FT7,Sthick Ft3
3234		Carry Out Housekeeping	0.25 hrs	Wed 19/04/23 16:15	Wed 19/04/23 16:30	3233	Filt-FT7,Sthick Ft3
3235		Sign Off Permit	0.25 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:45	3234	Filt-FT7,Sthick Ft3
3236		Clear Permit	0.25 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:00	3235	Filt-FT7,Sthick Ft3
3237	**28B2GA06**	**# 1 SEAL WATER PUMP - Carry Out Inspection**	**9.25 hrs**	**Wed 19/04/23 17:00**	**Thu 20/04/23 15:45**	**3218**	
3238		Make Out Permit	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15		Operations
3239		Accept Permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	3238	Filt-FT4,Sthick Ft4
3240		Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45	3239	Filt-FT4,Sthick Ft4
3241		Remove The Guards For The V Belts	0.5 hrs	Wed 19/04/23 17:45	Thu 20/04/23 07:15	3240	Filt-FT4,Sthick Ft4
3242		Inspect V Belts And Change If Necessary	0.5 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:45	3241	Filt-FT4,Sthick Ft4
3243		Inspect Columns For Holes,Corrossion And Replace If Necessary (Rig out pump)	2.5 hrs	Thu 20/04/23 07:45	Thu 20/04/23 10:15	3242	Sthick Ft4,Filt-FT4,G Moeseraela,T Moloi,K Gabantogele
3244		Grease All Bearings (Rig in if pump was rigged out)	1.5 hrs	Thu 20/04/23 10:15	Thu 20/04/23 11:45	3243	Sthick Ft4,Filt-FT4,G Moeseraela,T Moloi,K Gabantoge
3245		Replace Guards	0.5 hrs	Thu 20/04/23 11:45	Thu 20/04/23 12:45	3244	Filt-FT4,Sthick Ft4
3246		Remove Covers For Operations To Clean	1 hr	Thu 20/04/23 12:45	Thu 20/04/23 13:45	3245	Filt-FT4,Sthick Ft4
3247		Inspect The Float For Scaling,Holes And Seizure	0.5 hrs	Thu 20/04/23 13:45	Thu 20/04/23 14:15	3246	Filt-FT4,Sthick Ft4
3248		Replace Covers When Cleaning Is Complete	1 hr	Thu 20/04/23 14:15	Thu 20/04/23 15:15	3247	Filt-FT4,Sthick Ft4
3249		Carry Out Housekeeping	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	3248	Filt-FT4,Sthick Ft4
3250		Clear Permit	0.25 hrs	Thu 20/04/23 15:30	Thu 20/04/23 15:45	3249	Filt-FT4,Sthick Ft4
3251	**28B2GA06**	**# 2 SEAL WATER PUMP - Carry Out Inspection**	**9.25 hrs**	**Thu 20/04/23 15:45**	**Fri 21/04/23 14:30**	**3237**	
3252		Make Out Permit	0.25 hrs	Thu 20/04/23 15:45	Thu 20/04/23 16:00		Operations
3253		Accept Permit	0.25 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:15	3252	Filt-FT4,Sthick Ft4
3254		Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 16:15	Thu 20/04/23 16:30	3253	Filt-FT4,Sthick Ft4
3255		Remove The Guards For The V Belts	0.5 hrs	Thu 20/04/23 16:30	Thu 20/04/23 17:00	3254	Filt-FT4,Sthick Ft4
3256		Inspect V Belts And Change If Necessary	0.5 hrs	Thu 20/04/23 17:00	Thu 20/04/23 17:30	3255	Filt-FT4,Sthick Ft4
3257		Inspect Columns For Holes,Corrossion And Replace If Necessary (Rig out pump)	2.5 hrs	Thu 20/04/23 17:30	Fri 21/04/23 09:00	3256	Filt-FT4,Sthick Ft4,G Moeseraela,T Moloi,K Gabantogele
3258		Grease All Bearings (Rig in if pump was rigged out)	1.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 10:30	3257	Filt-FT4,Sthick Ft4,G Moeseraela,T Moloi,K Gabantoge
3259		Replace Guards	0.5 hrs	Fri 21/04/23 10:30	Fri 21/04/23 11:00	3258	Filt-FT4,Sthick Ft4
3260		Remove Covers For Operations To Clean	1 hr	Fri 21/04/23 11:00	Fri 21/04/23 12:00	3259	Filt-FT4,Sthick Ft4
3261		Inspect The Float For Scaling,Holes And Seizure	0.5 hrs	Fri 21/04/23 12:30	Fri 21/04/23 13:00	3260	Filt-FT4,Sthick Ft4
3262		Replace Covers When Cleaning Is Complete	1 hr	Fri 21/04/23 13:00	Fri 21/04/23 14:00	3261	Filt-FT4,Sthick Ft4
3263		Carry Out Housekeeping	0.25 hrs	Fri 21/04/23 14:00	Fri 21/04/23 14:15	3262	Filt-FT4,Sthick Ft4
3264		Clear Permit	0.25 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:30	3263	Filt-FT4,Sthick Ft4
3265	**28B2GB01**	**# A1 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 16:15**		
3266		Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3267		Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3266	Filt-FT7,Sthick Ft3
3268		Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3267	Filt-FT7,Sthick Ft3
3269		Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 15:45	3268	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3270			Inspect V Belts And Replace If Necessary	2.5 hrs	Mon 17/04/23 15:45	Tue 18/04/23 07:15	3269	Filt-FT7,Sthick Ft3
3271			Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:45	3270	Filt-FT7,Sthick Ft3
3272			Grease All The Bearings Using A Manual Grease Pump	2 hrs	Tue 18/04/23 09:45	Tue 18/04/23 11:45	3271	Filt-FT7,Sthick Ft3
3273			Rig In Guards And Secure	2.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 14:45	3272	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3274			Support The Suction Valve With A Crane	2 hrs	Tue 18/04/23 14:45	Tue 18/04/23 16:45	3273	Filt-FT7,Sthick Ft3
3275			Loosen And Remove All Bolts	2 hrs	Tue 18/04/23 16:45	Wed 19/04/23 07:45	3274	Filt-FT7,Sthick Ft3
3276			Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 10:15	3275	Filt-FT7,Sthick Ft3
3277			Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 13:15	3276	Filt-FT7,Sthick Ft3
3278			Carry Out House Keeping	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	3277	Filt-FT7,Sthick Ft3
3279			Dismantle Scaffolding	2.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 16:00	3278	Filt-FT7,Sthick Ft3
3280			Clear Permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	3279	Filt-FT7,Sthick Ft3
3281		**28B2GB01**	**# A1 VACUUM PUMP - Modify drain line**	**6.75 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 07:15**		
3282			Clean build up on the bases, pump, pipes prior	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00		Operations
3283			Break concrete to expose underground pipe prior	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00	3282	Civils
3284			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	3283	Operations
3285			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3284	M Ramatlhakeng,S Monna
3286			Carry out risk assement	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3285	M Ramatlhakeng,S Monna
3287			Cut flange bolts	1 hr	Mon 17/04/23 11:45	Mon 17/04/23 13:15	3286	M Ramatlhakeng,S Monna
3288			Rig out the old pipes	0.5 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:45	3287	M-Crane 7Ton,G Moeseraela,T Moloi
3289			Rig in new pipes	1 hr	Mon 17/04/23 13:45	Mon 17/04/23 14:45	3288	M-Crane 7Ton,G Moeseraela,T Moloi
3290			Align and mount the pipes	2 hrs	Mon 17/04/23 14:45	Mon 17/04/23 16:45	3289	M Ramatlhakeng,S Monna
3291			Tighten bolts	1 hr	Mon 17/04/23 16:45	Mon 17/04/23 17:45	3290	M Ramatlhakeng,S Monna
3292			Housekeeping	0.25 hrs	Mon 17/04/23 17:45	Mon 17/04/23 18:00	3291	M Ramatlhakeng,S Monna
3293			Clear permit	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	3292	M Ramatlhakeng,S Monna
3294			Cast concrete	0 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:15	3293	Civil
3295		**28B2GB02**	**# A2 VACUUM PUMP - Carry Out Inspection**	**24 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 14:30**		
3296			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3297			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3296	Filt-FT7,Sthick Ft3
3298			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3297	Filt-FT7,Sthick Ft3
3299			Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 15:45	3298	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3300			Inspect V Belts And Replace If Necessary	2.5 hrs	Mon 17/04/23 15:45	Tue 18/04/23 07:15	3299	Filt-FT7,Sthick Ft3
3301			Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:45	3300	Filt-FT7,Sthick Ft3
3302			Grease All Athe Bearings Using A Manual Grease Pump	2 hrs	Tue 18/04/23 09:45	Tue 18/04/23 11:45	3301	Filt-FT7,Sthick Ft3
3303			Rig In Guards And Secure	2.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 14:45	3302	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3304			Support The Suction Valve With A Crane	0.25 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:00	3303	Filt-FT7,Sthick Ft3
3305			Loosen And Remove All Bolts	2 hrs	Tue 18/04/23 15:00	Tue 18/04/23 17:00	3304	Filt-FT7,Sthick Ft3
3306			Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.25 hrs	Tue 18/04/23 17:00	Wed 19/04/23 08:15	3305	Filt-FT7,Sthick Ft3
3307			Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Wed 19/04/23 08:15	Wed 19/04/23 10:45	3306	Filt-FT7,Sthick Ft3
3308			Carry Out House Keeping	0.25 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:00	3307	Filt-FT7,Sthick Ft3
3309			Dismantle Scaffolding	2.5 hrs	Wed 19/04/23 11:00	Wed 19/04/23 14:00	3308	Filt-FT7,Sthick Ft3
3310			Sign Off The Permit	0.25 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:15	3309	Filt-FT7,Sthick Ft3
3311			Clear Permit	0.25 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:30	3310	Filt-FT7,Sthick Ft3
3312		**28B2GB03**	**# A2 VACUUM PUMP - Install Suction Valves**	**5.5 hrs**	**Wed 19/04/23 14:30**	**Thu 20/04/23 09:00**	**3295**	
3313			Make out permit	0.25 hrs	Wed 19/04/23 14:30	Wed 19/04/23 14:45		Operations
3314			Accept permit	0.25 hrs	Wed 19/04/23 14:45	Wed 19/04/23 15:00	3313	Filt-FT4,Sthick Ft4

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3315			Carry out risk assement	0.25 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:15	3314	Filt-FT4,Sthick Ft4
3316			Support valve & remove valve (valve in close position)	0.5 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:45	3315	Filt-FT4,Sthick Ft4
3317			Loosen & remove all securing bolts	1 hr	Wed 19/04/23 15:45	Wed 19/04/23 16:45	3316	Filt-FT4,Sthick Ft4
3318			Rig out old valve	0.5 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:15	3317	Filt-FT4,Sthick Ft4,G Moeseraela,T Moloi,K Gabantoge
3319			Rig in new valve in position	1 hr	Wed 19/04/23 17:15	Thu 20/04/23 07:15	3318	Filt-FT4,Sthick Ft4,G Moeseraela,T Moloi,K Gabantoge
3320			Replace all bolts	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	3319	Filt-FT4,Sthick Ft4
3321			Tighten all bolts in correct sequence	0.5 hrs	Thu 20/04/23 07:30	Thu 20/04/23 08:00	3320	Filt-FT4,Sthick Ft4
3322			Remove crane & slings	0.5 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:30	3321	Filt-FT4,Sthick Ft4
3323			Housekeeping	0.25 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:45	3322	Filt-FT4,Sthick Ft4
3324			Clear permit	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00	3323	Filt-FT4,Sthick Ft4
3325		**28B2GB02**	**# A2 VACUUM PUMP - Modify drain line**	**6.75 hrs**	**Tue 18/04/23 07:15**	**Tue 18/04/23 14:30**	**3281**	
3326			Clean build up on the bases, pump, pipes prior	0 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:15		Operations
3327			Break concrete to expose underground pipe prior	0 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:15	3326	Civils
3328			Make out permit	0.25 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:30	3327	Operations
3329			Accept permit	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	3328	M Ramatlhakeng,S Monna
3330			Carry out risk assement	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00	3329	M Ramatlhakeng,S Monna
3331			Cut flange bolts	1 hr	Tue 18/04/23 08:00	Tue 18/04/23 09:00	3330	M Ramatlhakeng,S Monna
3332			Rig out the old pipes	0.5 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:30	3331	M-Crane 7Ton,G Moeseraela,T Moloi
3333			Rig in new pipes	1 hr	Tue 18/04/23 09:30	Tue 18/04/23 10:30	3332	M-Crane 7Ton,G Moeseraela,T Moloi
3334			Align and mount the pipes	2 hrs	Tue 18/04/23 10:30	Tue 18/04/23 13:00	3333	M Ramatlhakeng,S Monna
3335			Tighten bolts	1 hr	Tue 18/04/23 13:00	Tue 18/04/23 14:00	3334	M Ramatlhakeng,S Monna
3336			Housekeeping	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	3335	M Ramatlhakeng,S Monna
3337			Clear permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30	3336	M Ramatlhakeng,S Monna
3338			Cast concrete	0 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:30	3337	Civil
3339		**28B2GB03**	**# A3 VACUUM PUMP - Carry Out Inspection**	**23.5 hrs**	**Thu 20/04/23 09:00**	**Sat 22/04/23 11:30**	**3312**	
3340			Make Out Permit	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15		Operations
3341			Accept Permit	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	3340	Filt-FT7,Sthick Ft3
3342			Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	3341	Filt-FT7,Sthick Ft3
3343			Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Thu 20/04/23 09:45	Thu 20/04/23 13:45	3342	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3344			Inspect V Belts And Replace If Necessary	2.5 hrs	Thu 20/04/23 13:45	Thu 20/04/23 16:15	3343	Filt-FT7,Sthick Ft3
3345			Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Thu 20/04/23 16:15	Fri 21/04/23 07:45	3344	Filt-FT7,Sthick Ft3
3346			Grease All Athe Bearings Using A Manual Grease Pump	2 hrs	Fri 21/04/23 07:45	Fri 21/04/23 09:45	3345	Filt-FT7,Sthick Ft3
3347			Rig In Guards And Secure	2.5 hrs	Fri 21/04/23 09:45	Fri 21/04/23 12:45	3346	Filt-FT7,Sthick Ft3,G Moeseraela,T Moloi,K Gabantoge
3348			Support The Suction Valve With A Crane	0.25 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:00	3347	Filt-FT7,Sthick Ft3
3349			Loosen And Remove All Bolts	2 hrs	Fri 21/04/23 13:00	Fri 21/04/23 15:00	3348	Filt-FT7,Sthick Ft3
3350			Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 17:15	3349	Filt-FT7,Sthick Ft3
3351			Lower The Valve In Position Or Replace If Necessary Then Box Up	2 hrs	Fri 21/04/23 17:15	Sat 22/04/23 08:15	3350	Filt-FT7,Sthick Ft3
3352			Carry Out House Keeping	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	3351	Filt-FT7,Sthick Ft3
3353			Dismantle Scaffolding	2.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 11:00	3352	Filt-FT7,Sthick Ft3
3354			Sign Off The Permit	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	3353	Filt-FT7,Sthick Ft3
3355			Clear Permit	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30	3354	Filt-FT7,Sthick Ft3
3356		**28B2GB04**	**# A3 VACUUM PUMP - Install Suction Valves**	**5.5 hrs**	**Sat 22/04/23 11:30**	**Sat 22/04/23 17:30**	**3339**	
3357			Make out permit	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45		Operations
3358			Accept permit	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	3357	Filt-FT2,Sthick Ft2
3359			Carry out risk assement	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	3358	Filt-FT2,Sthick Ft2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3360			Support valve & remove valve (valve in close position)	0.5 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:15	3359	Filt-FT2,Sthick Ft2
3361			Loosen & remove all securing bolts	1 hr	Sat 22/04/23 13:15	Sat 22/04/23 14:15	3360	Filt-FT2,Sthick Ft2
3362			Rig out old valve	0.5 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:45	3361	Filt-FT2,Sthick Ft2,G Moeseraela,T Moloi,K Gabantoge
3363			Rig in new valve in position	1 hr	Sat 22/04/23 14:45	Sat 22/04/23 15:45	3362	Filt-FT2,Sthick Ft2,G Moeseraela,T Moloi,K Gabantoge
3364			Replace all bolts	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	3363	Filt-FT2,Sthick Ft2
3365			Tighten all bolts in correct sequence	0.5 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:30	3364	Filt-FT2,Sthick Ft2
3366			Remove crane & slings	0.5 hrs	Sat 22/04/23 16:30	Sat 22/04/23 17:00	3365	Filt-FT2,Sthick Ft2
3367			Housekeeping	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	3366	Filt-FT2,Sthick Ft2
3368			Clear permit	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30	3367	Filt-FT2,Sthick Ft2
3369		**28B2GB03**	**# A3 VACUUM PUMP - Modify drain line**	**6.75 hrs**	**Tue 18/04/23 14:30**	**Wed 19/04/23 10:15**	**3325**	
3370			Clean build up on the bases, pump, pipes prior	0 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:30		Operations
3371			Break concrete to expose underground pipe prior	0 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:30	3370	Civils
3372			Make out permit	0.25 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:45	3371	Operations
3373			Accept permit	0.25 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:00	3372	M Ramatlhakeng,S Monna
3374			Carry out risk assement	0.25 hrs	Tue 18/04/23 15:00	Tue 18/04/23 15:15	3373	M Ramatlhakeng,S Monna
3375			Cut flange bolts	1 hr	Tue 18/04/23 15:15	Tue 18/04/23 16:15	3374	M Ramatlhakeng,S Monna
3376			Rig out the old pipes	0.5 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:45	3375	M-Crane 7Ton,G Moeseraela,T Moloi
3377			Rig in new pipes	1 hr	Tue 18/04/23 16:45	Tue 18/04/23 17:45	3376	M-Crane 7Ton,G Moeseraela,T Moloi
3378			Align and mount the pipes	2 hrs	Tue 18/04/23 17:45	Wed 19/04/23 08:45	3377	M Ramatlhakeng,S Monna
3379			Tighten bolts	1 hr	Wed 19/04/23 08:45	Wed 19/04/23 09:45	3378	M Ramatlhakeng,S Monna
3380			Housekeeping	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	3379	M Ramatlhakeng,S Monna
3381			Clear permit	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	3380	M Ramatlhakeng,S Monna
3382			Cast concrete	0 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:15	3381	Civil
3383			**ELECTRICAL**	**54.25 hrs**	**Wed 19/04/23 09:15**	**Mon 24/04/23 11:00**	**2964**	
3384		**28B2GA07**	**# 1 CLOTH WASH PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Fri 21/04/23 13:45**	**Sat 22/04/23 10:15**	**4250**	
3385			Make Out Permit	0.25 hrs	Fri 21/04/23 13:45	Fri 21/04/23 14:00		Operations
3386			Accept Permit	0.25 hrs	Fri 21/04/23 14:00	Fri 21/04/23 14:15	3385	Ash-Elec2,Ash-SSElec2
3387			Cloth Wash Pump # 1	0.25 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:30	3386	Ash-Elec2,Ash-SSElec2
3388			Services Electric Motor And Panel Components	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45	3387	Ash-Elec2,Ash-SSElec2
3389			Carry Out Electrical Isolation	0.25 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:00	3388	Ash-Elec2,Ash-SSElec2
3390			Disconnect and remove motor and send for repairs	2 hrs	Fri 21/04/23 15:00	Fri 21/04/23 17:00	3389	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3391			Check Loose Connections	0.25 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:15	3390	Ash-Elec2,Ash-SSElec2
3392			Check Contactor Contacts	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	3391	Ash-Elec2,Ash-SSElec2
3393			Service Stop /Start	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45	3392	Ash-Elec2,Ash-SSElec2
3394			Install and connect motor	2 hrs	Fri 21/04/23 17:45	Sat 22/04/23 08:45	3393	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3395			Check Motor Fan Condition	0.25 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:00	3394	Ash-Elec2,Ash-SSElec2
3396			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:15	3395	Ash-Elec2,Ash-SSElec2
3397			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:30	3396	Ash-Elec2,Ash-SSElec2
3398			Seal For Moisture And Dust	0.25 hrs	Sat 22/04/23 09:30	Sat 22/04/23 09:45	3397	Ash-Elec2,Ash-SSElec2
3399			Confirm Correct Protection Settings	0.25 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:00	3398	Ash-Elec2,Ash-SSElec2
3400			Clear Permit	0.25 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:15	3399	Ash-Elec2,Ash-SSElec2
3401		**28B2GA08**	**# 2 CLOTH WASH PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Sat 22/04/23 10:15**	**Sat 22/04/23 17:45**	**3384**	
3402			Make Out Permit	0.25 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:30		Operations
3403			Accept Permit	0.25 hrs	Sat 22/04/23 10:30	Sat 22/04/23 10:45	3402	Ash-Elec2,Ash-SSElec2
3404			A Line Filter Wash Pump	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	3403	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3405			Services Electric Motor And Panel Components	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	3404	Ash-Elec2,Ash-SSElec2
3406			Carry Out Electrical Isolation	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30	3405	Ash-Elec2,Ash-SSElec2
3407			Disconnect and remove motorand send for repairs	2 hrs	Sat 22/04/23 11:30	Sat 22/04/23 14:00	3406	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3408			Check Loose Connections In The Panel	0.25 hrs	Sat 22/04/23 14:00	Sat 22/04/23 14:15	3407	Ash-Elec2,Ash-SSElec2
3409			Check Contactor Contacts	0.25 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:30	3408	Ash-Elec2,Ash-SSElec2
3410			Service Stop/Start	0.25 hrs	Sat 22/04/23 14:30	Sat 22/04/23 14:45	3409	Ash-Elec2,Ash-SSElec2
3411			Install and connect motor	2 hrs	Sat 22/04/23 14:45	Sat 22/04/23 16:45	3410	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3412			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00	3411	Ash-Elec2,Ash-SSElec2
3413			Tighten Motor Connections & Gland Intrergrity	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	3412	Ash-Elec2,Ash-SSElec2
3414			Seal For Mioisture And Dust	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30	3413	Ash-Elec2,Ash-SSElec2
3415			Confirm Correct Protection Settings	0.25 hrs	Sat 22/04/23 17:30	Sat 22/04/23 17:45	3414	Ash-Elec2,Ash-SSElec2
3416		**28B2GA01**	**# A1 PRIMARY FILTRATE PUMP - Carry Out Maintenance On Electrical Components**	**7.25 hrs**	**Sat 22/04/23 17:45**	**Sun 23/04/23 14:30**	**3401**	
3417			Make Out Permit	0.25 hrs	Sat 22/04/23 17:45	Sat 22/04/23 18:00		Operations
3418			Accept Permit	0.25 hrs	Sun 23/04/23 07:00	Sun 23/04/23 07:15	3417	Ash-Elec2,Ash-SSElec2
3419			Primary Filtrate Pump A	0.25 hrs	Sun 23/04/23 07:15	Sun 23/04/23 07:30	3418	Ash-Elec2,Ash-SSElec2
3420			Services Electric Motor And Panel Components	0.25 hrs	Sun 23/04/23 07:30	Sun 23/04/23 07:45	3419	Ash-Elec2,Ash-SSElec2
3421			Carry Out Electrical Isolation	0.25 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:00	3420	Ash-Elec2,Ash-SSElec2
3422			Disconnect and remove motor and send for repairs	2 hrs	Sun 23/04/23 08:00	Sun 23/04/23 10:00	3421	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3423			Check Loose Connections In The Panel	0.25 hrs	Sun 23/04/23 10:00	Sun 23/04/23 10:15	3422	Ash-Elec2,Ash-SSElec2
3424			Check Contactor Contacts	0.25 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:30	3423	Ash-Elec2,Ash-SSElec2
3425			Service Stop/Start	0.25 hrs	Sun 23/04/23 10:30	Sun 23/04/23 10:45	3424	Ash-Elec2,Ash-SSElec2
3426			Install and connect motor	2 hrs	Sun 23/04/23 10:45	Sun 23/04/23 13:15	3425	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3427			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 23/04/23 13:15	Sun 23/04/23 13:30	3426	Ash-Elec2,Ash-SSElec2
3428			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 23/04/23 13:30	Sun 23/04/23 13:45	3427	Ash-Elec2,Ash-SSElec2
3429			Seal For Moisture And Dust	0.25 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:00	3428	Ash-Elec2,Ash-SSElec2
3430			Confirm Correct Protection Settings	0.25 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:15	3429	Ash-Elec2,Ash-SSElec2
3431			Clear Permit	0.25 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:30	3430	Ash-Elec2,Ash-SSElec2
3432		**28B2GA01**	**# A2 PRIMARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Sun 23/04/23 14:30**	**Mon 24/04/23 11:00**	**3416**	
3433			Make Out Permit	0.25 hrs	Sun 23/04/23 14:30	Sun 23/04/23 14:45		Operations
3434			Accept Permit	0.25 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:00	3433	Ash-Elec2,Ash-SSElec2
3435			Primary Filtrate Pump B	0.25 hrs	Sun 23/04/23 15:00	Sun 23/04/23 15:15	3434	Ash-Elec2,Ash-SSElec2
3436			Services Electric Motor And Panel Components	0.25 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:30	3435	Ash-Elec2,Ash-SSElec2
3437			Carry Out Electric Isolation	0.25 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:45	3436	Ash-Elec2,Ash-SSElec2
3438			Disconnect and remove motor and send for repairs	2 hrs	Sun 23/04/23 15:45	Sun 23/04/23 17:45	3437	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3439			Check Loose Connections In The Panel	0.25 hrs	Sun 23/04/23 17:45	Sun 23/04/23 18:00	3438	Ash-Elec2,Ash-SSElec2
3440			Check Contactor Contacts	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	3439	Ash-Elec2,Ash-SSElec2
3441			Service Stop/Start	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	3440	Ash-Elec2,Ash-SSElec2
3442			Install and connect motor	2 hrs	Mon 24/04/23 07:30	Mon 24/04/23 09:30	3441	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3443			Check Motor Fan Condition	0.25 hrs	Mon 24/04/23 09:30	Mon 24/04/23 09:45	3442	Ash-Elec2,Ash-SSElec2
3444			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 24/04/23 09:45	Mon 24/04/23 10:00	3443	Ash-Elec2,Ash-SSElec2
3445			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:15	3444	Ash-Elec2,Ash-SSElec2
3446			Seal For Moisture And Dust	0.25 hrs	Mon 24/04/23 10:15	Mon 24/04/23 10:30	3445	Ash-Elec2,Ash-SSElec2
3447			Confirm Correct Protection Settings	0.25 hrs	Mon 24/04/23 10:30	Mon 24/04/23 10:45	3446	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3448			Clear Permit	0.25 hrs	Mon 24/04/23 10:45	Mon 24/04/23 11:00	3447	Ash-Elec2,Ash-SSElec2
3449		**28B2GA02**	**# A SECONDARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Wed 19/04/23 15:00**	**Thu 20/04/23 11:30**	**4284**	
3450			Make Out Permit	0.25 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:15		Operations
3451			Accept Permit	0.25 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:30	3450	Ash-Elec3,Ash-SSElec3
3452			Secondary Filtrate Pump A	0.25 hrs	Wed 19/04/23 15:30	Wed 19/04/23 15:45	3451	Ash-Elec3,Ash-SSElec3
3453			Services Electric Motor And Panel Components	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	3452	Ash-Elec3,Ash-SSElec3
3454			Carry Out Electrical Isolation	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	3453	Ash-Elec3,Ash-SSElec3
3455			Disconnect and remove motor and send for repairs	2 hrs	Wed 19/04/23 16:15	Thu 20/04/23 07:15	3454	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3456			Check Loose Connections In The Panel	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	3455	Ash-Elec3,Ash-SSElec3
3457			Check Contactor Contacts	0.25 hrs	Thu 20/04/23 07:30	Thu 20/04/23 07:45	3456	Ash-Elec3,Ash-SSElec3
3458			Service Stop/Start	0.25 hrs	Thu 20/04/23 07:45	Thu 20/04/23 08:00	3457	Ash-Elec3,Ash-SSElec3
3459			Install and connect motor	2 hrs	Thu 20/04/23 08:00	Thu 20/04/23 10:00	3458	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3460			Check Motor Fan Condition	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	3459	Ash-Elec3,Ash-SSElec3
3461			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	3460	Ash-Elec3,Ash-SSElec3
3462			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	3461	Ash-Elec3,Ash-SSElec3
3463			Seal For Moisture And Dust	0.25 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:00	3462	Ash-Elec3,Ash-SSElec3
3464			Confirm Correct Protection Settings	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	3463	Ash-Elec3,Ash-SSElec3
3465			Clear Permit	0.25 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:30	3464	Ash-Elec3,Ash-SSElec3
3466		**28B2GA03**	**# A 3RD STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Thu 20/04/23 11:30**	**Fri 21/04/23 08:30**	**3449**	
3467			Make Out Permit	0.25 hrs	Thu 20/04/23 11:30	Thu 20/04/23 11:45		Operations
3468			Accept Permit	0.25 hrs	Thu 20/04/23 11:45	Thu 20/04/23 12:00	3467	Ash-Elec3,Ash-SSElec3
3469			3Rd Stage Filtrate Pump	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	3468	Ash-Elec3,Ash-SSElec3
3470			Services Electric Motor And Panel Components	0.25 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:00	3469	Ash-Elec3,Ash-SSElec3
3471			Carry Out Electric Isolation	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	3470	Ash-Elec3,Ash-SSElec3
3472			Disconnect and remove motor and send for repairs	2 hrs	Thu 20/04/23 13:15	Thu 20/04/23 15:15	3471	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3473			Check Loose Connections In The Panel	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	3472	Ash-Elec3,Ash-SSElec3
3474			Check Contactor Contacts	0.25 hrs	Thu 20/04/23 15:30	Thu 20/04/23 15:45	3473	Ash-Elec3,Ash-SSElec3
3475			Service Stop/Start	0.25 hrs	Thu 20/04/23 15:45	Thu 20/04/23 16:00	3474	Ash-Elec3,Ash-SSElec3
3476			Install and connect motor	2 hrs	Thu 20/04/23 16:00	Thu 20/04/23 18:00	3475	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3477			Check Motor Fan Condition	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	3476	Ash-Elec3,Ash-SSElec3
3478			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	3477	Ash-Elec3,Ash-SSElec3
3479			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 21/04/23 07:30	Fri 21/04/23 07:45	3478	Ash-Elec3,Ash-SSElec3
3480			Seal For Moisture And Dust	0.25 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:00	3479	Ash-Elec3,Ash-SSElec3
3481			Confirm Correct Protection Settings	0.25 hrs	Fri 21/04/23 08:00	Fri 21/04/23 08:15	3480	Ash-Elec3,Ash-SSElec3
3482			Clear Permit	0.25 hrs	Fri 21/04/23 08:15	Fri 21/04/23 08:30	3481	Ash-Elec3,Ash-SSElec3
3483		**28B2GA04**	**# 4TH STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Fri 21/04/23 08:30**	**Fri 21/04/23 16:30**	**3466**	
3484			Make Out Permit	0.25 hrs	Fri 21/04/23 08:30	Fri 21/04/23 08:45		Operations
3485			Accept Permit	0.25 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:00	3484	Ash-Elec3,Ash-SSElec3
3486			4Th Stage Filtrate Pump	0.25 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:15	3485	Ash-Elec3,Ash-SSElec3
3487			Services Electric Motor And Panel Components	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	3486	Ash-Elec3,Ash-SSElec3
3488			Carry Out Electric Isolation	0.25 hrs	Fri 21/04/23 09:30	Fri 21/04/23 09:45	3487	Ash-Elec3,Ash-SSElec3
3489			Disconnect and remove motor and send for repairs	2 hrs	Fri 21/04/23 09:45	Fri 21/04/23 11:45	3488	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3490			Check Loose Connections In The Panel	0.25 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:00	3489	Ash-Elec3,Ash-SSElec3
3491			Check Contactor Contacts	0.25 hrs	Fri 21/04/23 12:30	Fri 21/04/23 12:45	3490	Ash-Elec3,Ash-SSElec3
3492			Service Stop/Start	0.25 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:00	3491	Ash-Elec3,Ash-SSElec3
3493			Install and connect motor	2 hrs	Fri 21/04/23 13:00	Fri 21/04/23 15:00	3492	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3494			Check Motor Fan Condition	0.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:15	3493	Ash-Elec3,Ash-SSElec3
3495			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:30	3494	Ash-Elec3,Ash-SSElec3
3496			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 21/04/23 15:30	Fri 21/04/23 15:45	3495	Ash-Elec3,Ash-SSElec3
3497			Seal For Moisture And Dust	0.25 hrs	Fri 21/04/23 15:45	Fri 21/04/23 16:00	3496	Ash-Elec3,Ash-SSElec3
3498			Confirm Correct Protection Settings	0.25 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:15	3497	Ash-Elec3,Ash-SSElec3
3499			Clear Permit	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	3498	Ash-Elec3,Ash-SSElec3
3500		**28B2GA06**	**# 1 SEAL WATER PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Wed 19/04/23 09:15**	**Wed 19/04/23 17:15**	**4318**	
3501			Make Out Permit	0.25 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:30		Operations
3502			Accept Permit	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45	3501	Ash-Elec4,Ash-SSElec4
3503			Seal Water Pump A	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	3502	Ash-Elec4,Ash-SSElec4
3504			Services Electric Motor And Panel Components	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	3503	Ash-Elec4,Ash-SSElec4
3505			Carry Out Electric Isolation	0.25 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:30	3504	Ash-Elec4,Ash-SSElec4
3506			Disconnect and remove motor and send for repairs	2 hrs	Wed 19/04/23 10:30	Wed 19/04/23 13:00	3505	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3507			Check Loose Connections In The Panel	0.25 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:15	3506	Ash-Elec4,Ash-SSElec4
3508			Check Contactor Contacts	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	3507	Ash-Elec4,Ash-SSElec4
3509			Service Stop/Start	0.25 hrs	Wed 19/04/23 13:30	Wed 19/04/23 13:45	3508	Ash-Elec4,Ash-SSElec4
3510			Install and connect motor	2 hrs	Wed 19/04/23 13:45	Wed 19/04/23 15:45	3509	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3511			Check Motor Fan Condition	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	3510	Ash-Elec4,Ash-SSElec4
3512			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	3511	Ash-Elec4,Ash-SSElec4
3513			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 19/04/23 16:15	Wed 19/04/23 16:30	3512	Ash-Elec4,Ash-SSElec4
3514			Seal For Moisture And Dust	0.25 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:45	3513	Ash-Elec4,Ash-SSElec4
3515			Confirm Correct Protection Settings	0.25 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:00	3514	Ash-Elec4,Ash-SSElec4
3516			Clear Permit	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	3515	Ash-Elec4,Ash-SSElec4
3517		**28B2GA06**	**# 2 SEAL WATER PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Wed 19/04/23 17:15**	**Thu 20/04/23 14:00**	**3500**	
3518			Make Out Permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30		Operations
3519			Accept Permit	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45	3518	Ash-Elec4,Ash-SSElec4
3520			Seal Water Pump B	0.25 hrs	Wed 19/04/23 17:45	Wed 19/04/23 18:00	3519	Ash-Elec4,Ash-SSElec4
3521			Services Electric Motor And Panel Components	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	3520	Ash-Elec4,Ash-SSElec4
3522			Carry Out Electric Isolation	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	3521	Ash-Elec4,Ash-SSElec4
3523			Disconnect and remove motor and send for repairs	2 hrs	Thu 20/04/23 07:30	Thu 20/04/23 09:30	3522	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3524			Check Loose Connections In The Panel	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	3523	Ash-Elec4,Ash-SSElec4
3525			Check Contactor Contacts	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	3524	Ash-Elec4,Ash-SSElec4
3526			Service Stop/Start	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	3525	Ash-Elec4,Ash-SSElec4
3527			Install and connect motor	2 hrs	Thu 20/04/23 10:15	Thu 20/04/23 12:45	3526	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3528			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:00	3527	Ash-Elec4,Ash-SSElec4
3529			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	3528	Ash-Elec4,Ash-SSElec4
3530			Seal For Moisture And Dust	0.25 hrs	Thu 20/04/23 13:15	Thu 20/04/23 13:30	3529	Ash-Elec4,Ash-SSElec4
3531			Confirm Correct Protection Settings	0.25 hrs	Thu 20/04/23 13:30	Thu 20/04/23 13:45	3530	Ash-Elec4,Ash-SSElec4
3532			Clear Permit	0.25 hrs	Thu 20/04/23 13:45	Thu 20/04/23 14:00	3531	Ash-Elec4,Ash-SSElec4
3533		**28B2GB02**	**# A1 VACUUM PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Thu 20/04/23 14:00**	**Fri 21/04/23 10:30**	**3517**	
3534			Make Out Permit	0.25 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:15		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3535			Accept Permit	0.25 hrs	Thu 20/04/23 14:15	Thu 20/04/23 14:30	3534	Ash-Elec4,Ash-SSElec4
3536			Service Electric Motor And Panel Components	2 hrs	Thu 20/04/23 14:30	Thu 20/04/23 16:30	3535	Ash-Elec4,Ash-SSElec4
3537			Remove All Vacuum Motor Canopies	2.5 hrs	Thu 20/04/23 16:30	Fri 21/04/23 08:00	3536	Ash-Elec4,Ash-SSElec4
3538			Carry Out Electric Isolation	0.25 hrs	Fri 21/04/23 08:00	Fri 21/04/23 08:15	3537	Ash-Elec4,Ash-SSElec4
3539			Check Loose Connections In The Panel	0.25 hrs	Fri 21/04/23 08:15	Fri 21/04/23 08:30	3538	Ash-Elec4,Ash-SSElec4
3540			Check Soft Starter Connections & Clear Dust	0.25 hrs	Fri 21/04/23 08:30	Fri 21/04/23 08:45	3539	Ash-Elec4,Ash-SSElec4
3541			Service Stop/Start	0.25 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:00	3540	Ash-Elec4,Ash-SSElec4
3542			Check Motor Fan Condition	0.25 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:15	3541	Ash-Elec4,Ash-SSElec4
3543			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	3542	Ash-Elec4,Ash-SSElec4
3544			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 21/04/23 09:30	Fri 21/04/23 09:45	3543	Ash-Elec4,Ash-SSElec4
3545			Seal For Moisture And Dust	0.25 hrs	Fri 21/04/23 09:45	Fri 21/04/23 10:00	3544	Ash-Elec4,Ash-SSElec4
3546			Confirm Correct Protection Settings	0.25 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:15	3545	Ash-Elec4,Ash-SSElec4
3547			Clear Permit	0.25 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:30	3546	Ash-Elec4,Ash-SSElec4
3548		**28B2GB03**	**# A2 VACUUM PUMP - Services Electric Motor And Panel Components**	**7.5 hrs**	**Fri 21/04/23 10:30**	**Sat 22/04/23 07:30**	**3533**	
3549			Fabricate rack prior	0 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:30		SBM(Carb)2,M Ramatlhakeng,S Monna
3550			Make Out Permit	0.25 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:45	3549	Operations
3551			Accept Permit	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	3550	Ash-Elec4,Ash-SSElec4
3552			Remove All Vacuum Motor Canopies	2.5 hrs	Fri 21/04/23 11:00	Fri 21/04/23 14:00	3551	G Moeseraela,T Moloi,K Gabantogele
3553			Carry Out Electric Isolation	0.25 hrs	Fri 21/04/23 14:00	Fri 21/04/23 14:15	3552	Ash-Elec4,Ash-SSElec4
3554			Check Loose Connections In The Panel	0.25 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:30	3553	Ash-Elec4,Ash-SSElec4
3555			Check Soft Starter Connections& Clear Dust	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45	3554	Ash-Elec4,Ash-SSElec4
3556			Service Stop/Start	0.25 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:00	3555	Ash-Elec4,Ash-SSElec4
3557			Check Motor Fan Condition	0.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:15	3556	Ash-Elec4,Ash-SSElec4
3558			Replace motor supply cable rack	2 hrs	Fri 21/04/23 15:15	Fri 21/04/23 17:15	3557	SBM(Carb)2,M Ramatlhakeng,S Monna
3559			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	3558	Ash-Elec4,Ash-SSElec4
3560			Tighten Motor Connections& Gland Intergrity	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45	3559	Ash-Elec4,Ash-SSElec4
3561			Seal For Moisture And Dust	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	3560	Ash-Elec4,Ash-SSElec4
3562			Confirm Correct Protection Settings	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	3561	Ash-Elec4,Ash-SSElec4
3563			Clear Permit	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30	3562	Ash-Elec4,Ash-SSElec4
3564		**28B2GB04**	**# A3 VACUUM PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Wed 19/04/23 12:45**	**Thu 20/04/23 09:00**	**4366**	
3565			Make Out Permit	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00		Operations
3566			Accept Permit	0.25 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:15	3565	Ash-Elec1,Ash-SSElec1
3567			Remove All Vacuum Motor Canopies	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	3566	G Moeseraela,T Moloi,K Gabantogele
3568			Carry Out Electric Isolation	0.25 hrs	Wed 19/04/23 13:30	Wed 19/04/23 13:45	3567	Ash-Elec1,Ash-SSElec1
3569			Disconnect and remove motor and send for repairs	2 hrs	Wed 19/04/23 13:45	Wed 19/04/23 15:45	3568	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3570			Check Loose Connections In The Panel	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	3569	Ash-Elec1,Ash-SSElec1
3571			Check Soft Starter Connections & Clear Dust	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	3570	Ash-Elec1,Ash-SSElec1
3572			Service Stop/Start	0.25 hrs	Wed 19/04/23 16:15	Wed 19/04/23 16:30	3571	Ash-Elec1,Ash-SSElec1
3573			Install and connect motor	2 hrs	Wed 19/04/23 16:30	Thu 20/04/23 07:30	3572	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3574			Check Motor Fan Condition	0.25 hrs	Thu 20/04/23 07:30	Thu 20/04/23 07:45	3573	Ash-Elec1,Ash-SSElec1
3575			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 20/04/23 07:45	Thu 20/04/23 08:00	3574	Ash-Elec1,Ash-SSElec1
3576			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:15	3575	Ash-Elec1,Ash-SSElec1
3577			Seal For Moisture And Dust	0.25 hrs	Thu 20/04/23 08:15	Thu 20/04/23 08:30	3576	Ash-Elec1,Ash-SSElec1
3578			Confirm Correct Protection Settings	0.25 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:45	3577	Ash-Elec1,Ash-SSElec1
3579			Clear Permit	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00	3578	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3580		**28B2RE01**	**# BICARBONATE BELT CONVEYOR - Services Electric Motor And Panel Components**	**6 hrs**	**Thu 20/04/23 09:00**	**Thu 20/04/23 15:30**	**3564**	
3581			Make Out Permit	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15		Operations
3582			Accept Permit	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	3581	Ash-Elec1,Ash-SSElec1
3583			Replace trip switches and pull wires	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	3582	Ash-Elec1,Ash-SSElec1
3584			Services Electric Motor And Panel Components	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	3583	Ash-Elec1,Ash-SSElec1
3585			Carry Out Electric Isolation	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	3584	Ash-Elec1,Ash-SSElec1
3586			Check Loose Connections In The Panel	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	3585	Ash-Elec1,Ash-SSElec1
3587			Check Contactor Contacts	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	3586	Ash-Elec1,Ash-SSElec1
3588			Service U/S Circuit	0.25 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:00	3587	Ash-Elec1,Ash-SSElec1
3589			Replace Worn Underspeed Feed Cable Rack	2.5 hrs	Thu 20/04/23 11:00	Thu 20/04/23 14:00	3588	Ash-Elec1,Ash-SSElec1
3590			Check Motor Fan Condition	0.25 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:15	3589	Ash-Elec1,Ash-SSElec1
3591			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 20/04/23 14:15	Thu 20/04/23 14:30	3590	Ash-Elec1,Ash-SSElec1
3592			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 20/04/23 14:30	Thu 20/04/23 14:45	3591	Ash-Elec1,Ash-SSElec1
3593			Seal For Moisture And Dust	0.25 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:00	3592	Ash-Elec1,Ash-SSElec1
3594			Confirm Correct Protection Settings	0.25 hrs	Thu 20/04/23 15:00	Thu 20/04/23 15:15	3593	Ash-Elec1,Ash-SSElec1
3595			Clear Permit	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	3594	Ash-Elec1,Ash-SSElec1
3596		**28B2FK01**	**# A BELT FILTER - Carry out general electrical inspections**	**10.75 hrs**	**Thu 20/04/23 15:30**	**Fri 21/04/23 15:45**	**3580**	
3597			Make Out Permit	0.25 hrs	Thu 20/04/23 15:30	Thu 20/04/23 15:45		Operations
3598			Accept Permit	0.25 hrs	Thu 20/04/23 15:45	Thu 20/04/23 16:00	3597	Ash-Elec1,Ash-SSElec1
3599			Carry Out Electric Isolation	0.25 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:15	3598	Ash-Elec1,Ash-SSElec1
3600			Disconnect and remove motor and send for repairs	2 hrs	Thu 20/04/23 16:15	Fri 21/04/23 07:15	3599	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3601			Replace trip switches and pull wires	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	3600	Ash-Elec1,Ash-SSElec1
3602			Check Loose Connections In The Panel	0.25 hrs	Fri 21/04/23 07:30	Fri 21/04/23 07:45	3601	Ash-Elec1,Ash-SSElec1
3603			Check Vsd Connections And Blow Out Dust	0.25 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:00	3602	Ash-Elec1,Ash-SSElec1
3604			Service Stop/Start	0.25 hrs	Fri 21/04/23 08:00	Fri 21/04/23 08:15	3603	Ash-Elec1,Ash-SSElec1
3605			Install and connect motor	2 hrs	Fri 21/04/23 08:15	Fri 21/04/23 10:15	3604	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3606			Replace pick tails for trip wire	1 hr	Fri 21/04/23 10:15	Fri 21/04/23 11:15	3605	Ash-Elec1,Ash-SSElec1
3607			Service Belt alignment Switches& Thoroughly Seal	2 hrs	Fri 21/04/23 11:15	Fri 21/04/23 13:45	3606	Ash-Elec1,Ash-SSElec1
3608			Service Pull Switshes And Check Pull Wire	1 hr	Fri 21/04/23 13:45	Fri 21/04/23 14:45	3607	Ash-Elec1,Ash-SSElec1
3609			Service pull wires junction box	0.25 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:00	3608	Ash-Elec1,Ash-SSElec1
3610			Seal For Moisture And Dust	0.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:15	3609	Ash-Elec1,Ash-SSElec1
3611			Change Vsd Motor Protection To Match Name Plate	0.25 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:30	3610	Ash-Elec1,Ash-SSElec1
3612			Clear Permit	0.25 hrs	Fri 21/04/23 15:30	Fri 21/04/23 15:45	3611	Ash-Elec1,Ash-SSElec1
3613		**28B2GB01**	**# A BELT FILTER BLOWER - Services Electric Motor And Panel Components**	**7 hrs**	**Fri 21/04/23 15:45**	**Sat 22/04/23 11:45**	**3596**	
3614			Make Out Permit	0.25 hrs	Fri 21/04/23 15:45	Fri 21/04/23 16:00		Operations
3615			Accept Permit	0.25 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:15	3614	Ash-Elec1,Ash-SSElec1
3616			Services Electric Motor And Panel Components	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	3615	Ash-Elec1,Ash-SSElec1
3617			Carry Out Electric Isolation	0.25 hrs	Fri 21/04/23 16:30	Fri 21/04/23 16:45	3616	Ash-Elec1,Ash-SSElec1
3618			Disconnect and remove motor and send for repairs	2 hrs	Fri 21/04/23 16:45	Sat 22/04/23 07:45	3617	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
3619			Check Loose Connections In The Panel	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	3618	Ash-Elec1,Ash-SSElec1
3620			Check Contactor Contacts	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15	3619	Ash-Elec1,Ash-SSElec1
3621			Service Stop/Start	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	3620	Ash-Elec1,Ash-SSElec1
3622			Install and connect motor	2 hrs	Sat 22/04/23 08:30	Sat 22/04/23 10:30	3621	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3623		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 22/04/23 10:30	Sat 22/04/23 10:45	3622	Ash-Elec1,Ash-SSElec1
3624		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	3623	Ash-Elec1,Ash-SSElec1
3625		Seal For Moisture And Dust	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	3624	Ash-Elec1,Ash-SSElec1
3626		Change Vsd Motor Protection To Match Name Plate	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30	3625	Ash-Elec1,Ash-SSElec1
3627		Clear Permit	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45	3626	Ash-Elec1,Ash-SSElec1
3628	**28B2GK01**	**SLURRY HEAD TANK - Carry out maintenance on electrical components**	**4 hrs**	**Sat 22/04/23 11:45**	**Sat 22/04/23 16:15**	**3613**	
3629		Make out permit	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00		Ash-Elec1,Ash-SSElec1
3630		Accept permit	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	3629	Ash-Elec1,Ash-SSElec1
3631		Carry out electrical isolation	0.25 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:00	3630	Ash-Elec1,Ash-SSElec1
3632		Check loose connections in the panel	0.25 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:15	3631	Ash-Elec1,Ash-SSElec1
3633		Check Contactor contacts connetions	0.25 hrs	Sat 22/04/23 13:15	Sat 22/04/23 13:30	3632	Ash-Elec1,Ash-SSElec1
3634		Confirm correct setting of protections	0.25 hrs	Sat 22/04/23 13:30	Sat 22/04/23 13:45	3633	Ash-Elec1,Ash-SSElec1
3635		Service Stop/start	0.5 hrs	Sat 22/04/23 13:45	Sat 22/04/23 14:15	3634	Ash-Elec1,Ash-SSElec1
3636		Check motor fan condition	0.5 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:45	3635	Ash-Elec1,Ash-SSElec1
3637		Check oil leaks from geared unit	0.5 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:15	3636	Fit,Ash-Elec1,Ash-SSElec1
3638		Check cable terminal leads for over heating	0.25 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:30	3637	Ash-Elec1,Ash-SSElec1
3639		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45	3638	Ash-Elec1,Ash-SSElec1
3640		Seal for Moisture and dust.	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	3639	Ash-Elec1,Ash-SSElec1
3641		Clear permit	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15	3640	Ash-Elec1,Ash-SSElec1
3642	**28B2GA04**	**B' SCRUBBER CIRCULATION PUMP A - Carry out Electrical maintenance**	**3.5 hrs**	**Sat 22/04/23 16:15**	**Sun 23/04/23 08:45**	**3628**	
3643		Make out permit	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30		Operations
3644		Accept permit	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	3643	Ash-Elec1,Ash-SSElec1
3645		Carry out Elec isolation	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00	3644	Ash-Elec1,Ash-SSElec1
3646		Check loose connections in the panel	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	3645	Ash-Elec1,Ash-SSElec1
3647		Check Contactor contacts	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30	3646	Ash-Elec1,Ash-SSElec1
3648		Service Stop/start	0.5 hrs	Sat 22/04/23 17:30	Sat 22/04/23 18:00	3647	Ash-Elec1,Ash-SSElec1
3649		Check motor fan condition	0.25 hrs	Sun 23/04/23 07:00	Sun 23/04/23 07:15	3648	Ash-Elec1,Ash-SSElec1
3650		Check cable terminal leads for over heating	0.25 hrs	Sun 23/04/23 07:15	Sun 23/04/23 07:30	3649	Ash-Elec1,Ash-SSElec1
3651		Tighten Motor connections& Gland intergrity	0.5 hrs	Sun 23/04/23 07:30	Sun 23/04/23 08:00	3650	Ash-Elec1,Ash-SSElec1
3652		Seal for Moisture and dust.	0.25 hrs	Sun 23/04/23 08:00	Sun 23/04/23 08:15	3651	Ash-Elec1,Ash-SSElec1
3653		Confirm correct protection settings	0.25 hrs	Sun 23/04/23 08:15	Sun 23/04/23 08:30	3652	Ash-Elec1,Ash-SSElec1
3654		Clear permit	0.25 hrs	Sun 23/04/23 08:30	Sun 23/04/23 08:45	3653	Ash-Elec1,Ash-SSElec1
3655	**28B2GA04**	**B' SCRUBBER CIRCULATION PUMP B - Carry out Electrical maintenance**	**3.5 hrs**	**Sun 23/04/23 08:45**	**Sun 23/04/23 12:45**	**3642**	
3656		Make out permit	0.25 hrs	Sun 23/04/23 08:45	Sun 23/04/23 09:00		Operations
3657		Accept permit	0.25 hrs	Sun 23/04/23 09:00	Sun 23/04/23 09:15	3656	Ash-Elec1,Ash-SSElec1
3658		Carry out Elec isolation	0.25 hrs	Sun 23/04/23 09:15	Sun 23/04/23 09:30	3657	Ash-Elec1,Ash-SSElec1
3659		Check loose connections in the panel	0.25 hrs	Sun 23/04/23 09:30	Sun 23/04/23 09:45	3658	Ash-Elec1,Ash-SSElec1
3660		Check Contactor contacts	0.25 hrs	Sun 23/04/23 09:45	Sun 23/04/23 10:00	3659	Ash-Elec1,Ash-SSElec1
3661		Service Stop/start	0.5 hrs	Sun 23/04/23 10:00	Sun 23/04/23 10:30	3660	Ash-Elec1,Ash-SSElec1
3662		Check motor fan condition	0.25 hrs	Sun 23/04/23 10:30	Sun 23/04/23 10:45	3661	Ash-Elec1,Ash-SSElec1
3663		Check cable terminal leads for over heating	0.25 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:00	3662	Ash-Elec1,Ash-SSElec1
3664		Tighten Motor connections& Gland intergrity	0.5 hrs	Sun 23/04/23 11:00	Sun 23/04/23 11:30	3663	Ash-Elec1,Ash-SSElec1
3665		Seal for Moisture and dust.	0.25 hrs	Sun 23/04/23 11:30	Sun 23/04/23 11:45	3664	Ash-Elec1,Ash-SSElec1
3666		Confirm correct protection settings	0.25 hrs	Sun 23/04/23 11:45	Sun 23/04/23 12:00	3665	Ash-Elec1,Ash-SSElec1
3667		Clear permit	0.25 hrs	Sun 23/04/23 12:30	Sun 23/04/23 12:45	3666	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3668		**28B2GA01**	**A' SCRUBBER CIRCULATION PUMP A - Carry out Electrical maintenance**	**3.5 hrs**	**Sun 23/04/23 12:45**	**Sun 23/04/23 16:15**	**3655**	
3669			Make out permit	0.25 hrs	Sun 23/04/23 12:45	Sun 23/04/23 13:00		Operations
3670			Accept permit	0.25 hrs	Sun 23/04/23 13:00	Sun 23/04/23 13:15	3669	Ash-Elec1,Ash-SSElec1
3671			Carry out Elec isolation	0.25 hrs	Sun 23/04/23 13:15	Sun 23/04/23 13:30	3670	Ash-Elec1,Ash-SSElec1
3672			Check loose connections in the panel	0.25 hrs	Sun 23/04/23 13:30	Sun 23/04/23 13:45	3671	Ash-Elec1,Ash-SSElec1
3673			Check Contactor contacts	0.25 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:00	3672	Ash-Elec1,Ash-SSElec1
3674			Service Stop/start	0.5 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:30	3673	Ash-Elec1,Ash-SSElec1
3675			Check motor fan condition	0.25 hrs	Sun 23/04/23 14:30	Sun 23/04/23 14:45	3674	Ash-Elec1,Ash-SSElec1
3676			Check cable terminal leads for over heating	0.25 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:00	3675	Ash-Elec1,Ash-SSElec1
3677			Tighten Motor connections& Gland intergrity	0.5 hrs	Sun 23/04/23 15:00	Sun 23/04/23 15:30	3676	Ash-Elec1,Ash-SSElec1
3678			Seal for Moisture and dust.	0.25 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:45	3677	Ash-Elec1,Ash-SSElec1
3679			Confirm correct protection settings	0.25 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:00	3678	Ash-Elec1,Ash-SSElec1
3680			Clear permit	0.25 hrs	Sun 23/04/23 16:00	Sun 23/04/23 16:15	3679	Ash-Elec1,Ash-SSElec1
3681		**28B2GA01**	**A' SCRUBBER CIRCULATION PUMP B - Carry out Electrical maintenance**	**3.5 hrs**	**Sun 23/04/23 16:15**	**Mon 24/04/23 08:45**	**3668**	
3682			Make out permit	0.25 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:30		Operations
3683			Accept permit	0.25 hrs	Sun 23/04/23 16:30	Sun 23/04/23 16:45	3682	Ash-Elec4,Ash-SSElec4
3684			Carry out Elec isolation	0.25 hrs	Sun 23/04/23 16:45	Sun 23/04/23 17:00	3683	Ash-Elec4,Ash-SSElec4
3685			Check loose connections in the panel	0.25 hrs	Sun 23/04/23 17:00	Sun 23/04/23 17:15	3684	Ash-Elec4,Ash-SSElec4
3686			Check Contactor contacts	0.25 hrs	Sun 23/04/23 17:15	Sun 23/04/23 17:30	3685	Ash-Elec4,Ash-SSElec4
3687			Service Stop/start	0.5 hrs	Sun 23/04/23 17:30	Sun 23/04/23 18:00	3686	Ash-Elec4,Ash-SSElec4
3688			Check motor fan condition	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	3687	Ash-Elec4,Ash-SSElec4
3689			Check cable terminal leads for over heating	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	3688	Ash-Elec4,Ash-SSElec4
3690			Tighten Motor connections& Gland intergrity	0.5 hrs	Mon 24/04/23 07:30	Mon 24/04/23 08:00	3689	Ash-Elec4,Ash-SSElec4
3691			Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15	3690	Ash-Elec4,Ash-SSElec4
3692			Confirm correct protection settings	0.25 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:30	3691	Ash-Elec4,Ash-SSElec4
3693			Clear permit	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	3692	Ash-Elec4,Ash-SSElec4
3694			**INSTRUMENTATION**	**83.96 hrs**	**Mon 17/04/23 11:00**	**Tue 25/04/23 10:58**	**2964**	
3695		**28B2FK01**	**# A BELT FILTER - Overhaul alignment system**	**11 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 11:30**		
3696			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3697			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3696	Ash-Inst2,SS-Ash-Ins2
3698			Disconnect instruments	1 hr	Mon 17/04/23 11:30	Mon 17/04/23 13:00	3697	Ash-Inst2,SS-Ash-Ins2
3699			Remove the device	3 hrs	Mon 17/04/23 13:00	Mon 17/04/23 16:00	3698	Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,K
3700			Overhaul the system	3 hrs	Mon 17/04/23 16:00	Tue 18/04/23 08:00	3699	Ash-Inst2,SS-Ash-Ins2
3701			Install the system	3 hrs	Tue 18/04/23 08:00	Tue 18/04/23 11:00	3700	Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,K
3702			Stroke check	0.25 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:15	3701	Ash-Inst2,SS-Ash-Ins2
3703			Clear permit	0.25 hrs	Tue 18/04/23 11:15	Tue 18/04/23 11:30	3702	Ash-Inst2,SS-Ash-Ins2
3704		**28LC002**	**CLOTH WASH MAKEUP VALVE - Remove & overhaul**	**13 hrs**	**Tue 18/04/23 11:30**	**Wed 19/04/23 14:30**	**3695**	
3705			Make out permit	0.25 hrs	Tue 18/04/23 11:30	Tue 18/04/23 11:45		Operations
3706			Accept permit	0.25 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:00	3705	Ash-Inst2,SS-Ash-Ins2
3707			Disconnect instruments	1 hr	Tue 18/04/23 12:30	Tue 18/04/23 13:30	3706	Ash-Inst2,SS-Ash-Ins2
3708			Remove valve	2 hrs	Tue 18/04/23 13:30	Tue 18/04/23 15:30	3707	Filt-FT2,RSC Scaffolding,Ash-Inst2,SS-Ash-Ins2,G Moes
3709			Overhaul valve	5 hrs	Tue 18/04/23 15:30	Wed 19/04/23 09:30	3708	Aveng,Ash-Inst2,SS-Ash-Ins2
3710			Install valve	4 hrs	Wed 19/04/23 09:30	Wed 19/04/23 14:00	3709	RSC Scaffolding,Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moes
3711			Stroke check valve	0.25 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:15	3710	Ash-Inst2,SS-Ash-Ins2
3712			Clear permit	0.25 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:30	3711	Ash-Inst2,SS-Ash-Ins2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3713		**28HS002**	**# A BELT FILTER VALVE (slide gate) - replace valve**	**5 hrs**	**Sun 23/04/23 10:58**	**Sun 23/04/23 16:28**	**3704SS+4.3**	
3714			Make out permit	0.25 hrs	Sun 23/04/23 10:58	Sun 23/04/23 11:13		Operations
3715			Accept permit	0.25 hrs	Sun 23/04/23 11:13	Sun 23/04/23 11:28	3714	Ash-Inst2,SS-Ash-Ins2
3716			Disconnect instruments	1 hr	Sun 23/04/23 11:28	Sun 23/04/23 12:58	3715	Ash-Inst2,SS-Ash-Ins2
3717			Replace valve	3 hrs	Sun 23/04/23 12:58	Sun 23/04/23 15:58	3716	Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,K
3718			Stroke check valve	0.25 hrs	Sun 23/04/23 15:58	Sun 23/04/23 16:13	3717	Ash-Inst2,SS-Ash-Ins2
3719			Clear permit	0.25 hrs	Sun 23/04/23 16:13	Sun 23/04/23 16:28	3718	Ash-Inst2,SS-Ash-Ins2
3720		**28LC101**	**# A BELT LEVEL CONTROL VALVE - Replace sleeve**	**5.25 hrs**	**Sun 23/04/23 16:28**	**Mon 24/04/23 10:43**	**3713**	
3721			Make out permit	0.25 hrs	Sun 23/04/23 16:28	Sun 23/04/23 16:43		Operations
3722			Accept permit	0.25 hrs	Sun 23/04/23 16:43	Sun 23/04/23 16:58	3721	Ash-Inst2,SS-Ash-Ins2
3723			Disconnect instruments	1 hr	Sun 23/04/23 16:58	Sun 23/04/23 17:58	3722	Ash-Inst2,SS-Ash-Ins2
3724			Remove old sleeve/liner	2 hrs	Sun 23/04/23 17:58	Mon 24/04/23 08:58	3723	RSC Scaffolding,Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moes
3725			Replace sleeve/liner	1 hr	Mon 24/04/23 08:58	Mon 24/04/23 09:58	3724	Ash-Inst2,SS-Ash-Ins2
3726			Stroke check valve	0.25 hrs	Mon 24/04/23 09:58	Mon 24/04/23 10:13	3725	Ash-Inst2,SS-Ash-Ins2
3727			Clear permit	0.5 hrs	Mon 24/04/23 10:13	Mon 24/04/23 10:43	3726	Ash-Inst2,SS-Ash-Ins2
3728			**# A CO2 COMPRESSOR - Calibrate instruments**	**10.75 hrs**	**Mon 24/04/23 10:43**	**Tue 25/04/23 10:58**	**3720**	
3729			Make out permit	0.25 hrs	Mon 24/04/23 10:43	Mon 24/04/23 10:58		Operations
3730			Accept permit	0.25 hrs	Mon 24/04/23 10:58	Mon 24/04/23 11:13	3729	Ash-Inst2,SS-Ash-Ins2
3731			Disconnect instruments	3 hrs	Mon 24/04/23 11:13	Mon 24/04/23 14:43	3730	Ash-Inst2,SS-Ash-Ins2
3732			Inspect and calibrate instruments	4 hrs	Mon 24/04/23 14:43	Tue 25/04/23 07:43	3731	Ash-Inst2,SS-Ash-Ins2
3733			Install and test	3 hrs	Tue 25/04/23 07:43	Tue 25/04/23 10:43	3732	Ash-Inst2,SS-Ash-Ins2
3734			Clear permit	0.25 hrs	Tue 25/04/23 10:43	Tue 25/04/23 10:58	3733	Ins-Assist1,Operations,Ash-Inst2,SS-Ash-Ins2
3735		**Area 28C**	**BICARBONATE FILTRATION - B LINE**	**294 hrs**	**Mon 17/04/23 06:30**	**Sun 14/05/23 18:00**		
3736			**OPERATIONS**	**58.25 hrs**	**Mon 17/04/23 06:30**	**Sat 22/04/23 13:15**		
3737			**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**	**2920SS**	
3738			Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
3739			**FILTRATION SCRUCTURE - Clean structure**	**21.5 hrs**	**Mon 17/04/23 08:30**	**Wed 19/04/23 09:00**	**3737**	
3740			Make out permit	0.25 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:45		Operations
3741			Clean Filtration structure	48 hrs	Mon 17/04/23 08:45	Wed 19/04/23 08:45	3740	Operations
3742			Accept permit	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	3741	Operations
3743		**28B2FB01**	**FILTRATE RECIEVERS - Clean Recievers**	**10.5 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 23:00**		
3744			Open covers for all the tanks	4 hrs	Mon 17/04/23 07:00	Mon 17/04/23 11:00		Fitter
3745			Primary Filtrate Tank	3 hrs	Mon 17/04/23 11:00	Mon 17/04/23 14:00	3744	Operations
3746			Secondary Filtrate Tank	3 hrs	Mon 17/04/23 14:00	Mon 17/04/23 17:00	3745	Operations
3747			Third Stage Filtrate Tank	3 hrs	Mon 17/04/23 17:00	Mon 17/04/23 20:00	3746	Operations
3748			Fourth Filtrate Tank	3 hrs	Mon 17/04/23 20:00	Mon 17/04/23 23:00	3747	Operations
3749		**28C2FK02**	**# B BELT FILTER - Clean Airbox**	**58.25 hrs**	**Mon 17/04/23 06:30**	**Sat 22/04/23 13:15**		
3750			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
3751			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	3750	Filt-FT3,Sthick Ft5
3752			Lift Belt,Remove Bolts & Top Of Air Box	16 hrs	Mon 17/04/23 07:15	Tue 18/04/23 13:15	3751	Filt-FT3,Sthick Ft5
3753			Clean Out Air Box	16 hrs	Tue 18/04/23 13:15	Wed 19/04/23 05:15	3752	Operations
3754			Introduce Inspection Cover (Brown)	6 hrs	Wed 19/04/23 07:00	Wed 19/04/23 13:30	3753	Filt-FT3,Sthick Ft5
3755			Replace Cover	30 hrs	Wed 19/04/23 13:30	Sat 22/04/23 11:30	3754	Filt-FT3,Sthick Ft5
3756			Test Run	1 hr	Sat 22/04/23 11:30	Sat 22/04/23 13:00	3755	Filt-FT3,Sthick Ft5
3757			Clear Permit	0.25 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:15	3756	Filt-FT3,Sthick Ft5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3758			**MAINTENANCE STARTS**	**0 hrs**	**Mon 17/04/23 11:00**	**Mon 17/04/23 11:00**	**2964SS**	
3759			Maintenance jobs commence	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00		
3760			**MECHANICAL**	**290 hrs**	**Mon 17/04/23 11:00**	**Sun 14/05/23 18:00**	**3758**	
3761		**28B2FK01**	**B BELT FILTER - Replace belt structure with stainless steel**	**290 hrs**	**Mon 17/04/23 11:00**	**Sun 14/05/23 18:00**		
3762			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3763			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3762	O Kalankane
3764			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3763	O Kalankane,GKB,Wesley
3765			Top deck items removal	18 hrs	Mon 17/04/23 11:45	Wed 19/04/23 08:45	3764	GKB,M-Crane 60Ton,G Moeseraela,T Moloi
3766			Bottom deck items removal	36 hrs	Wed 19/04/23 08:45	Sat 22/04/23 13:45	3765	GKB,M-Crane 60Ton,G Moeseraela,T Moloi
3767			Remove vacuum box, Air boxes and Support beams	96 hrs	Sat 22/04/23 13:45	Mon 01/05/23 15:15	3766	GKB,M-Crane 60Ton,G Moeseraela,T Moloi
3768			Install vacuum box, Air boxes, Support beams and Bottom deck items	90 hrs	Mon 01/05/23 15:15	Wed 10/05/23 10:15	3767	GKB,M-Crane 60Ton,G Moeseraela,T Moloi
3769			Final alignment and corrections	36 hrs	Wed 10/05/23 10:15	Sat 13/05/23 15:15	3768	GKB,M-Crane 60Ton,G Moeseraela,T Moloi
3770			Top deck items installation	12 hrs	Sat 13/05/23 15:15	Sun 14/05/23 16:45	3769	GKB,M-Crane 60Ton,G Moeseraela,T Moloi
3771			Cold commissioning	0 hrs	Sun 14/05/23 16:45	Sun 14/05/23 16:45	3770	GKB,Nicholas
3772			Carry out housekeeping	1 hr	Sun 14/05/23 16:45	Sun 14/05/23 17:45	3771	GKB
3773			Hot commissioning	0 hrs	Sun 14/05/23 17:45	Sun 14/05/23 17:45	3772	GKB,Nicholas
3774			Clear Permit	0.25 hrs	Sun 14/05/23 17:45	Sun 14/05/23 18:00	3773	O Kalankane
3775		**28C2FK02**	**# B BELT FILTER - Replace Wear Belts & seal strips**	**42 hrs**	**Mon 17/04/23 11:00**	**Fri 21/04/23 11:00**		
3776			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3777			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3776	Filt-FT6,Sthick Ft7
3778			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3777	Filt-FT6,Sthick Ft7
3779			Remove All Vacuum Box Supporting Nuts	8 hrs	Mon 17/04/23 11:45	Tue 18/04/23 09:15	3778	Filt-FT6,Sthick Ft7
3780			Lift The Counter Weights	2 hrs	Tue 18/04/23 09:15	Tue 18/04/23 11:15	3779	Filt-FT6,Sthick Ft7
3781			Remove Northern Belt	1 hr	Tue 18/04/23 11:15	Tue 18/04/23 12:45	3780	Filt-FT6,Sthick Ft7
3782			Remove Bolts Attaching The Vacuum Box To The Counter Weights	8 hrs	Tue 18/04/23 12:45	Wed 19/04/23 09:45	3781	Filt-FT6,Sthick Ft7
3783			Remove The Southern Wear Belt	1 hr	Wed 19/04/23 09:45	Wed 19/04/23 10:45	3782	Filt-FT6,Sthick Ft7
3784			Install Southern Wear Belt	2 hrs	Wed 19/04/23 10:45	Wed 19/04/23 13:15	3783	Filt-FT6,Sthick Ft7
3785			Put Back The Bolts Attaching The Vacuum Box To The Counter Weights	8 hrs	Wed 19/04/23 13:15	Thu 20/04/23 10:15	3784	Filt-FT6,Sthick Ft7
3786			Install The Northern Belt	2 hrs	Thu 20/04/23 10:15	Thu 20/04/23 12:45	3785	Filt-FT6,Sthick Ft7
3787			Drop The Counter Weights, Lift The Vacuum Box	2 hrs	Thu 20/04/23 12:45	Thu 20/04/23 14:45	3786	Filt-FT6,Sthick Ft7
3788			Put Back The Nuts Securing The Vacuum Box	6 hrs	Thu 20/04/23 14:45	Fri 21/04/23 09:45	3787	Filt-FT6,Sthick Ft7
3789			Set/Check Clearance	1 hr	Fri 21/04/23 09:45	Fri 21/04/23 10:45	3788	Filt-FT6,Sthick Ft7
3790			Clear Permit	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	3789	Filt-FT6,Sthick Ft7
3791		**28C2FK02**	**# B BELT FILTER - Inspect all Bearings**	**39.25 hrs**	**Mon 17/04/23 11:00**	**Fri 21/04/23 08:15**		
3792			Accept permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3793			Access permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3792	Filt-FT4,Sthick Ft4
3794			Isolate & lock out	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3793	Filt-FT4,Sthick Ft4
3795			Carry out risk assesment	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	3794	Filt-FT4,Sthick Ft4
3796			Slacken the adjusting bolts	6 hrs	Mon 17/04/23 12:30	Tue 18/04/23 07:30	3795	Filt-FT4,Sthick Ft4
3797			Inspect/replace bearings	24 hrs	Tue 18/04/23 07:30	Thu 20/04/23 10:30	3796	Filt-FT4,Sthick Ft4
3798			Tension the belt	4 hrs	Thu 20/04/23 10:30	Thu 20/04/23 15:00	3797	Filt-FT4,Sthick Ft4
3799			Carry out house keeping	2 hrs	Thu 20/04/23 15:00	Thu 20/04/23 17:00	3798	Filt-FT4,Sthick Ft4
3800			Commission	2 hrs	Thu 20/04/23 17:00	Fri 21/04/23 08:00	3799	Filt-FT4,Sthick Ft4
3801			Clear permit	0.25 hrs	Fri 21/04/23 08:00	Fri 21/04/23 08:15	3800	Filt-FT4,Sthick Ft4
3802		**28C2FK02**	**BELT FILTER B- Replace ripple skirting with fixed skirting**	**57.25 hrs**	**Mon 17/04/23 11:00**	**Sat 22/04/23 16:15**		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3803			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3804			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3803	Filt-FT10
3805			Carry out risk assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3804	Fitter
3806			Disconnect the hoses to the troughs and remove it	1.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 13:45	3805	Filt-FT10
3807			Rig out the troughs	1 hr	Mon 17/04/23 13:45	Mon 17/04/23 14:45	3806	Rig(Ash)
3808			Lift the counterweight for the cloth and slack	0.5 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:15	3807	Filt-FT10
3809			Remove the whole ripple skirting	16 hrs	Mon 17/04/23 15:15	Wed 19/04/23 09:45	3808	Filt-FT10
3810			Mount teflon brackets	12 hrs	Wed 19/04/23 09:45	Thu 20/04/23 11:15	3809	Filt-FT10
3811			Install the teflon sections	6 hrs	Thu 20/04/23 11:15	Thu 20/04/23 17:45	3810	Filt-FT10
3812			Install cloth	10 hrs	Thu 20/04/23 17:45	Fri 21/04/23 17:15	3811	Filt-FT10
3813			Install top deck items	8 hrs	Fri 21/04/23 17:15	Sat 22/04/23 14:45	3812	Filt-FT10
3814			Clear permit	0.5 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:15	3813	Filt-FT10
3815			Obtain test run permit	0.25 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:30	3814	Filt-FT10
3816			Commisioning	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45	3815	Filt-FT10
3817			Clear permit	0.5 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:15	3816	Filt-FT10
3818		**28C2FK02**	**# B BELT FILTER - inspect gearbox**	**17.5 hrs**	**Sat 22/04/23 16:15**	**Mon 24/04/23 12:45**	**3802**	
3819			Make out permit	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30		Operations
3820			Accept permit	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	3819	Filt-FT10
3821			Carry out risk assesment	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00	3820	Rig(Ash),Filt-FT10,Elec,M Ramatlhakeng,S Monna
3822			Remove drive belts guard	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	3821	Filt-FT10
3823			Disconnect motor cables	0.5 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:30	3822SS	Elec
3824			Lower the motor and remove drive belts	0.5 hrs	Sat 22/04/23 17:30	Sat 22/04/23 18:00	3823	Filt-FT10
3825			Undo motor holding down bolts	0.5 hrs	Sun 23/04/23 07:00	Sun 23/04/23 07:30	3824	Filt-FT10
3826			Rig out motor	1 hr	Sun 23/04/23 07:30	Sun 23/04/23 08:30	3825	Rig(Ash),O/H crane
3827			Undo motor base holding down bolts	0.5 hrs	Sun 23/04/23 08:30	Sun 23/04/23 09:00	3826	Filt-FT10
3828			Rig out motor base	0.5 hrs	Sun 23/04/23 09:00	Sun 23/04/23 09:30	3827	Rig(Ash),O/H crane
3829			Remove gearbox shaft end cover	0.25 hrs	Sun 23/04/23 09:30	Sun 23/04/23 09:45	3828	Filt-FT10
3830			Uncouple gearbox from motor	1.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 11:15	3829	Filt-FT10
3831			Undo gearbox holding down bolts	0.5 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:45	3830	Filt-FT10,Rig(Ash)
3832			Uncouple gearbox from belt pulley	1 hr	Sun 23/04/23 11:45	Sun 23/04/23 13:15	3831	Filt-FT10
3833			Rig out gearbox	1 hr	Sun 23/04/23 13:15	Sun 23/04/23 14:15	3832	Rig(Ash),O/H crane
3834			Clean all the shafts and bases	0.5 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:45	3833	Filt-FT10
3835			Remove coupling from old gearbox	2 hrs	Sun 23/04/23 14:45	Sun 23/04/23 16:45	3834	Filt-FT10
3836			Install coupling on new gearbox	1 hr	Sun 23/04/23 16:45	Sun 23/04/23 17:45	3835	Filt-FT10,Rig(Ash)
3837			Rig new gearbox onto base	0.5 hrs	Sun 23/04/23 17:45	Mon 24/04/23 07:15	3836	Rig(Ash),O/H crane
3838			Couple gearbox to belt pulley	1 hr	Mon 24/04/23 07:15	Mon 24/04/23 08:15	3837	Filt-FT10
3839			Tighten gearbox mounting bolts	1 hr	Mon 24/04/23 08:15	Mon 24/04/23 09:15	3838	Filt-FT10
3840			Rig in motor base and tighten bolts	1 hr	Mon 24/04/23 09:15	Mon 24/04/23 10:15	3839	Rig(Ash),O/H crane
3841			Rig in motor	0.5 hrs	Mon 24/04/23 10:15	Mon 24/04/23 10:45	3840	Rig(Ash),O/H crane
3842			Couple gearbox to motor	1 hr	Mon 24/04/23 10:45	Mon 24/04/23 11:45	3841	Filt-FT10
3843			Connect motor	0.5 hrs	Mon 24/04/23 10:45	Mon 24/04/23 11:15	3842SS	Elec
3844			Install shaft end and drive belts guards	0.5 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:45	3843	Filt-FT10
3845			Housekeeping	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	3844	Filt-FT10,Rig(Ash),Elec,M Ramatlhakeng,S Monna
3846			Clear permit	0.25 hrs	Mon 24/04/23 12:30	Mon 24/04/23 12:45	3845	Filt-FT10,Rig(Ash),Elec,M Ramatlhakeng,S Monna
3847		**28C2GB01**	**# B BELT FILTER BLOWER - Inspect Bearings And Replace V Belts**	**10.25 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 10:45**		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3848			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3849			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3848	Filt-FT4,Sthick Ft4
3850			Carry out risk assement	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3849	Filt-FT4,Sthick Ft4
3851			Remove v-belt guard	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	3850	Filt-FT4,Sthick Ft4
3852			Inspect v-belt & replace ifnecessary	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	3851	Filt-FT4,Sthick Ft4
3853			Open plummer box & clean grease	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	3852	Filt-FT4,Sthick Ft4
3854			Inspect bearings & replace if not in good condition	3 hrs	Mon 17/04/23 13:15	Mon 17/04/23 16:15	3853	Filt-FT4,Sthick Ft4
3855			Inspect seals & replace if necessary	0.5 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:45	3854	Filt-FT4,Sthick Ft4
3856			Locate bearing in plummer blocks	2 hrs	Mon 17/04/23 16:45	Tue 18/04/23 07:45	3855	Filt-FT4,Sthick Ft4
3857			Repack bearing with new grease	0.5 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:15	3856	Filt-FT4,Sthick Ft4
3858			Box up plummer block	0.5 hrs	Tue 18/04/23 08:15	Tue 18/04/23 08:45	3857	Filt-FT4,Sthick Ft4
3859			Couple blower with motor	1 hr	Tue 18/04/23 08:45	Tue 18/04/23 09:45	3858	Filt-FT4,Sthick Ft4
3860			Replace guard	0.5 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:15	3859	Filt-FT4,Sthick Ft4
3861			Housekeeping	0.25 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:30	3860	Filt-FT4,Sthick Ft4
3862			Clear permit	0.25 hrs	Tue 18/04/23 10:30	Tue 18/04/23 10:45	3861	Filt-FT4,Sthick Ft4
3863		**28C2RE02**	**BICARBATE BELT CONVEYOR - Replace Conveyor**	**21.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 11:45**		
3864			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
3865			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	3864	Filt-FT5,Sthick Ft6
3866			Carry out risk assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	3865	Filt-FT5,Sthick Ft6
3867			Run the conveyor and mark all defective rollers	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:15	3866	Operations
3868			Stop and isolate the covenyor	0.25 hrs	Mon 17/04/23 12:15	Mon 17/04/23 12:30	3867	Operations
3869			Slack the conveyor	0.5 hrs	Mon 17/04/23 12:30	Mon 17/04/23 13:00	3868	Filt-FT5,Sthick Ft6
3870			Remove guards on the drop out chutes	0.5 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:30	3869	Filt-FT5,Sthick Ft6
3871			Cut and join old belt to the new one	0.5 hrs	Mon 17/04/23 13:30	Mon 17/04/23 14:00	3870	Filt-FT5,Sthick Ft6
3872			Remove scrapers	0.5 hrs	Mon 17/04/23 14:00	Mon 17/04/23 14:30	3871	Filt-FT5,Sthick Ft6
3873			Pull out the old belt until the correct size of the new belt has been installed	1 hr	Mon 17/04/23 14:30	Mon 17/04/23 15:30	3872	G Moeseraela,T Moloi,K Gabantogele
3874			Looesen the impact bed and rig out	2 hrs	Mon 17/04/23 15:30	Mon 17/04/23 17:30	3873	Filt-FT5,Sthick Ft6,G Moeseraela,T Moloi,K Gabantoge
3875			Rig in the new impact bed	2 hrs	Mon 17/04/23 17:30	Tue 18/04/23 08:30	3874	G Moeseraela,T Moloi,K Gabantogele
3876			Replace all defective idlers including self tracking rollers	1.5 hrs	Tue 18/04/23 08:30	Tue 18/04/23 10:00	3875	Filt-FT5,Sthick Ft6
3877			Remove troughing idler frame to accommodate splicing machine	0.5 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:30	3876	Filt-FT5,Sthick Ft6
3878			Perform Hot splicing	3 hrs	Tue 18/04/23 10:30	Tue 18/04/23 14:00	3877	Splicing Crew
3879			Inspect bearings and repack with new grease or replace if necessary	2 hrs	Tue 18/04/23 14:00	Tue 18/04/23 16:00	3878	Filt-FT5,Sthick Ft6
3880			Remove v belt guards	0.25 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:15	3879	Filt-FT5,Sthick Ft6
3881			Replace V belts,then tension and confirm alignment	0.5 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:45	3880	Filt-FT5,Sthick Ft6
3882			Replace guard	0.25 hrs	Tue 18/04/23 16:45	Tue 18/04/23 17:00	3881	Filt-FT5,Sthick Ft6
3883			Remove the splicing machine after completion	0.5 hrs	Tue 18/04/23 17:00	Tue 18/04/23 17:30	3882	Splicing Crew
3884			Replace the troughing idler frame and secure	0.5 hrs	Tue 18/04/23 17:30	Tue 18/04/23 18:00	3883	Filt-FT5,Sthick Ft6
3885			Tension the conveyor	0.5 hrs	Wed 19/04/23 07:00	Wed 19/04/23 07:30	3884	Filt-FT5,Sthick Ft6
3886			Install new scrapers and adjust accordingly	1 hr	Wed 19/04/23 07:30	Wed 19/04/23 08:30	3885	Filt-FT5,Sthick Ft6
3887			Replace skirtings and adjust accordingly	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	3886	Filt-FT5,Sthick Ft6
3888			Carry out housekeeping	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45	3887	Filt-FT5,Sthick Ft6
3889			Sign off the permit and obtain test run permit	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	3888	Operations
3890			Run the conveyor and track it	1 hr	Wed 19/04/23 10:00	Wed 19/04/23 11:00	3889	Filt-FT5,Sthick Ft6
3891			Isolate and replace guards	0.5 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:30	3890	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3892			Clear permit	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	3891	Filt-FT5,Sthick Ft6
3893		**28C2GA01**	**# B1 PRIMARY FILTRATE PUMP - Overhaul Pump**	**22.85 hrs**	**Mon 24/04/23 12:45**	**Wed 26/04/23 14:36**	**3818**	
3894			Make Out Permit	0.25 hrs	Mon 24/04/23 12:45	Mon 24/04/23 13:00		Operations
3895			Accept Permit	0.25 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:15	3894	Filt-FT1,Filt-SSFT1
3896			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 13:15	Mon 24/04/23 13:30	3895	Filt-FT1,Filt-SSFT1
3897			Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	3896	Filt-FT1,Filt-SSFT1
3898			Remove Pulley Guard	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	3897	Filt-FT1,Filt-SSFT1
3899			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	3898	Filt-FT1,Filt-SSFT1
3900			Remove V Belts And Inspect Them	0.5 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:45	3899	Filt-FT1,Filt-SSFT1
3901			Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Mon 24/04/23 14:45	Mon 24/04/23 15:00	3900	Filt-FT1,Filt-SSFT1
3902			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Mon 24/04/23 15:00	Mon 24/04/23 16:00	3901	Filt-FT1,Filt-SSFT1
3903			Place It On The Ground	0.5 hrs	Mon 24/04/23 16:00	Mon 24/04/23 16:30	3902	Filt-FT1,Filt-SSFT1
3904			Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Mon 24/04/23 16:30	Mon 24/04/23 16:45	3903	Filt-FT1,Filt-SSFT1
3905			Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:15	3904	Filt-FT1,Filt-SSFT1
3906			Rig Out The Pump And Transport To The Workshop	1 hr	Mon 24/04/23 17:15	Tue 25/04/23 07:15	3905	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
3907			Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Tue 25/04/23 07:15	Tue 25/04/23 07:30	3906	Filt-FT1,Filt-SSFT1
3908			Place The Pump On The Work Bench	0.25 hrs	Tue 25/04/23 07:30	Tue 25/04/23 07:45	3907	Filt-FT1,Filt-SSFT1
3909			Loosen Impeller Locknut	1 hr	Tue 25/04/23 07:45	Tue 25/04/23 08:45	3908	Filt-FT1,Filt-SSFT1
3910			Remove The Impeller	1 hr	Tue 25/04/23 08:45	Tue 25/04/23 09:45	3909	Filt-FT1,Filt-SSFT1
3911			Loosen The Gland Follwer	1 hr	Tue 25/04/23 09:45	Tue 25/04/23 10:45	3910	Filt-FT1,Filt-SSFT1
3912			Separate The Volute And The Bearing Housing	1 hr	Tue 25/04/23 10:45	Tue 25/04/23 11:45	3911	Filt-FT1,Filt-SSFT1
3913			Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Tue 25/04/23 11:45	Tue 25/04/23 13:15	3912	Filt-FT1,Filt-SSFT1
3914			Loosen And Remove The End Cover For The Bearing Housing	0.85 hrs	Tue 25/04/23 13:15	Tue 25/04/23 14:06	3913	Filt-FT1,Filt-SSFT1
3915			Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Tue 25/04/23 14:06	Tue 25/04/23 15:06	3914	Filt-FT1,Filt-SSFT1
3916			Press Ou The Bearing Assembly From The Housing	0.5 hrs	Tue 25/04/23 15:06	Tue 25/04/23 15:36	3915	Filt-FT1,Filt-SSFT1
3917			Press Out The Bearings From The Shaft	0.5 hrs	Tue 25/04/23 15:36	Tue 25/04/23 16:06	3916	Filt-FT1,Filt-SSFT1
3918			Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Tue 25/04/23 16:06	Tue 25/04/23 16:36	3917	Filt-FT1,Filt-SSFT1
3919			Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Tue 25/04/23 16:36	Tue 25/04/23 17:06	3918	Filt-FT1,Filt-SSFT1
3920			Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Tue 25/04/23 17:06	Tue 25/04/23 17:36	3919	Filt-FT1,Filt-SSFT1
3921			Set The Clearances To Specifications	0.5 hrs	Tue 25/04/23 17:36	Wed 26/04/23 07:06	3920	Filt-FT1,Filt-SSFT1
3922			Close The Bearing Housing	0.5 hrs	Wed 26/04/23 07:06	Wed 26/04/23 07:36	3921	Filt-FT1,Filt-SSFT1
3923			Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Wed 26/04/23 07:36	Wed 26/04/23 08:06	3922	Filt-FT1,Filt-SSFT1
3924			Repack Gland Using 6Mm Packing	0.5 hrs	Wed 26/04/23 08:06	Wed 26/04/23 08:36	3923	Filt-FT1,Filt-SSFT1
3925			Attach The Volute To The Bearing Housing	0.5 hrs	Wed 26/04/23 08:36	Wed 26/04/23 09:06	3924	Filt-FT1,Filt-SSFT1
3926			Install The Impeller And Lock In Position	0.5 hrs	Wed 26/04/23 09:06	Wed 26/04/23 09:36	3925	Filt-FT1,Filt-SSFT1
3927			Transport Pump To The Site	0.5 hrs	Wed 26/04/23 09:36	Wed 26/04/23 10:06	3926	Filt-FT1,Filt-SSFT1
3928			Rig In Position And Secure	1 hr	Wed 26/04/23 10:06	Wed 26/04/23 11:06	3927	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
3929			Rig In Motor And Its Base	0.5 hrs	Wed 26/04/23 11:06	Wed 26/04/23 11:36	3928	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
3930			Align The Motor And Pump Pulley	1 hr	Wed 26/04/23 11:36	Wed 26/04/23 13:06	3929	Filt-FT1,Filt-SSFT1
3931			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Wed 26/04/23 13:06	Wed 26/04/23 13:36	3930	Filt-FT1,Filt-SSFT1
3932			Replace Guards And Secure	0.25 hrs	Wed 26/04/23 13:36	Wed 26/04/23 13:51	3931	Filt-FT1,Filt-SSFT1
3933			Carry Out House Keeping	0.25 hrs	Wed 26/04/23 13:51	Wed 26/04/23 14:06	3932	Filt-FT1,Filt-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3934			Sign Off Permit	0.25 hrs	Wed 26/04/23 14:06	Wed 26/04/23 14:21	3933	Filt-FT1,Filt-SSFT1
3935			Clear Permit	0.25 hrs	Wed 26/04/23 14:21	Wed 26/04/23 14:36	3934	Filt-FT1,Filt-SSFT1
3936		**28C2GA01I**	**# B2 PRIMARY FILTRATE PUMP - Overhaul Pump**	**22.85 hrs**	**Wed 26/04/23 14:36**	**Fri 28/04/23 16:27**	**3893**	
3937			Make Out Permit	0.25 hrs	Wed 26/04/23 14:36	Wed 26/04/23 14:51		Operations
3938			Accept Permit	0.25 hrs	Wed 26/04/23 14:51	Wed 26/04/23 15:06	3937	Filt-FT1,Filt-SSFT1
3939			Carry Out Risk Assesment	0.25 hrs	Wed 26/04/23 15:06	Wed 26/04/23 15:21	3938	Filt-FT1,Filt-SSFT1
3940			Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Wed 26/04/23 15:21	Wed 26/04/23 15:36	3939	Filt-FT1,Filt-SSFT1
3941			Remove Pulley Guard	0.25 hrs	Wed 26/04/23 15:36	Wed 26/04/23 15:51	3940	Filt-FT1,Filt-SSFT1
3942			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Wed 26/04/23 15:51	Wed 26/04/23 16:06	3941	Filt-FT1,Filt-SSFT1
3943			Remove V Belts And Inspect Them	0.5 hrs	Wed 26/04/23 16:06	Wed 26/04/23 16:36	3942	Filt-FT1,Filt-SSFT1
3944			Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Wed 26/04/23 16:36	Wed 26/04/23 16:51	3943	Filt-FT1,Filt-SSFT1
3945			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Wed 26/04/23 16:51	Wed 26/04/23 17:51	3944	Filt-FT1,Filt-SSFT1
3946			Place It On The Ground	0.5 hrs	Wed 26/04/23 17:51	Thu 27/04/23 07:21	3945	Filt-FT1,Filt-SSFT1
3947			Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Thu 27/04/23 07:21	Thu 27/04/23 07:36	3946	Filt-FT1,Filt-SSFT1
3948			Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Thu 27/04/23 07:36	Thu 27/04/23 08:06	3947	Filt-FT1,Filt-SSFT1
3949			Rig Out The Pump And Transport To The Workshop	1 hr	Thu 27/04/23 08:06	Thu 27/04/23 09:06	3948	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
3950			Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Thu 27/04/23 09:06	Thu 27/04/23 09:21	3949	Filt-FT1,Filt-SSFT1
3951			Place The Pump On The Work Bench	0.25 hrs	Thu 27/04/23 09:21	Thu 27/04/23 09:36	3950	Filt-FT1,Filt-SSFT1
3952			Loosen Impeller Locknut	1 hr	Thu 27/04/23 09:36	Thu 27/04/23 10:36	3951	Filt-FT1,Filt-SSFT1
3953			Remove The Impeller	1 hr	Thu 27/04/23 10:36	Thu 27/04/23 11:36	3952	Filt-FT1,Filt-SSFT1
3954			Loosen The Gland Follwer	1 hr	Thu 27/04/23 11:36	Thu 27/04/23 13:06	3953	Filt-FT1,Filt-SSFT1
3955			Separate The Volute And The Bearing Housing	1 hr	Thu 27/04/23 13:06	Thu 27/04/23 14:06	3954	Filt-FT1,Filt-SSFT1
3956			Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Thu 27/04/23 14:06	Thu 27/04/23 15:06	3955	Filt-FT1,Filt-SSFT1
3957			Loosen And Remove The End Cover For The Bearing Housing	0.85 hrs	Thu 27/04/23 15:06	Thu 27/04/23 15:57	3956	Filt-FT1,Filt-SSFT1
3958			Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Thu 27/04/23 15:57	Thu 27/04/23 16:57	3957	Filt-FT1,Filt-SSFT1
3959			Press Ou The Bearing Assembly From The Housing	0.5 hrs	Thu 27/04/23 16:57	Thu 27/04/23 17:27	3958	Filt-FT1,Filt-SSFT1
3960			Press Out The Bearings From The Shaft	0.5 hrs	Thu 27/04/23 17:27	Thu 27/04/23 17:57	3959	Filt-FT1,Filt-SSFT1
3961			Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Thu 27/04/23 17:57	Fri 28/04/23 07:27	3960	Filt-FT1,Filt-SSFT1
3962			Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Fri 28/04/23 07:27	Fri 28/04/23 07:57	3961	Filt-FT1,Filt-SSFT1
3963			Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Fri 28/04/23 07:57	Fri 28/04/23 08:27	3962	Filt-FT1,Filt-SSFT1
3964			Set The Clearances To Specifications	0.5 hrs	Fri 28/04/23 08:27	Fri 28/04/23 08:57	3963	Filt-FT1,Filt-SSFT1
3965			Close The Bearing Housing	0.5 hrs	Fri 28/04/23 08:57	Fri 28/04/23 09:27	3964	Filt-FT1,Filt-SSFT1
3966			Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Fri 28/04/23 09:27	Fri 28/04/23 09:57	3965	Filt-FT1,Filt-SSFT1
3967			Repack Gland Using 6Mm Packing	0.5 hrs	Fri 28/04/23 09:57	Fri 28/04/23 10:27	3966	Filt-FT1,Filt-SSFT1
3968			Attach The Volute To The Bearing Housing	0.5 hrs	Fri 28/04/23 10:27	Fri 28/04/23 10:57	3967	Filt-FT1,Filt-SSFT1
3969			Install The Impeller And Lock In Position	0.5 hrs	Fri 28/04/23 10:57	Fri 28/04/23 11:27	3968	Filt-FT1,Filt-SSFT1
3970			Transport Pump To The Site	0.5 hrs	Fri 28/04/23 11:27	Fri 28/04/23 11:57	3969	Filt-FT1,Filt-SSFT1
3971			Rig In Position And Secure	1 hr	Fri 28/04/23 11:57	Fri 28/04/23 13:27	3970	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
3972			Rig In Motor And Its Base	0.5 hrs	Fri 28/04/23 13:27	Fri 28/04/23 13:57	3971	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
3973			Align The Motor And Pump Pulley	1 hr	Fri 28/04/23 13:57	Fri 28/04/23 14:57	3972	Filt-FT1,Filt-SSFT1
3974			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Fri 28/04/23 14:57	Fri 28/04/23 15:27	3973	Filt-FT1,Filt-SSFT1
3975			Replace Guards And Secure	0.25 hrs	Fri 28/04/23 15:27	Fri 28/04/23 15:42	3974	Filt-FT1,Filt-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
3976			Carry Out House Keeping	0.25 hrs	Fri 28/04/23 15:42	Fri 28/04/23 15:57	3975	Filt-FT1,Filt-SSFT1
3977			Sign Off Permit	0.25 hrs	Fri 28/04/23 15:57	Fri 28/04/23 16:12	3976	Filt-FT1,Filt-SSFT1
3978			Clear Permit	0.25 hrs	Fri 28/04/23 16:12	Fri 28/04/23 16:27	3977	Filt-FT1,Filt-SSFT1
3979		**28C2GA02**	**# B 2ND STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Fri 28/04/23 16:27**	**Sat 29/04/23 09:57**	**3936**	
3980			Make out permit	0.25 hrs	Fri 28/04/23 16:27	Fri 28/04/23 16:42		Operations
3981			Accept permit	0.25 hrs	Fri 28/04/23 16:42	Fri 28/04/23 16:57	3980	Filt-FT8,Filt-FT9
3982			Carry out risk assement	0.25 hrs	Fri 28/04/23 16:57	Fri 28/04/23 17:12	3981	Filt-FT8,Filt-FT9
3983			Loosen & remove all securing bolts	1 hr	Fri 28/04/23 17:12	Sat 29/04/23 07:12	3982	Filt-FT8,Filt-FT9
3984			Remove old valve	0.5 hrs	Sat 29/04/23 07:12	Sat 29/04/23 07:42	3983	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3985			Install new valve	1 hr	Sat 29/04/23 07:42	Sat 29/04/23 08:42	3984	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
3986			Replace all bolts	0.25 hrs	Sat 29/04/23 08:42	Sat 29/04/23 08:57	3985	Filt-FT8,Filt-FT9
3987			Tighten all bolts in correct sequence	0.5 hrs	Sat 29/04/23 08:57	Sat 29/04/23 09:27	3986	Filt-FT8,Filt-FT9
3988			Housekeeping	0.25 hrs	Sat 29/04/23 09:27	Sat 29/04/23 09:42	3987	Filt-FT8,Filt-FT9
3989			Clear permit	0.25 hrs	Sat 29/04/23 09:42	Sat 29/04/23 09:57	3988	Filt-FT8,Filt-FT9
3990		**28C2GA02**	**# B 2ND STAGE FILTRATE PUMP - Overhaul Pump**	**22.85 hrs**	**Sat 29/04/23 09:57**	**Mon 01/05/23 11:48**	**3979**	
3991			Make Out Permit	0.25 hrs	Sat 29/04/23 09:57	Sat 29/04/23 10:12		Operations
3992			Accept Permit	0.25 hrs	Sat 29/04/23 10:12	Sat 29/04/23 10:27	3991	Filt-FT1,Filt-SSFT1
3993			Carry Out Risk Assesment	0.25 hrs	Sat 29/04/23 10:27	Sat 29/04/23 10:42	3992	Filt-FT1,Filt-SSFT1
3994			Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Sat 29/04/23 10:42	Sat 29/04/23 10:57	3993	Filt-FT1,Filt-SSFT1
3995			Remove Pulley Guard	0.25 hrs	Sat 29/04/23 10:57	Sat 29/04/23 11:12	3994	Filt-FT1,Filt-SSFT1
3996			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Sat 29/04/23 11:12	Sat 29/04/23 11:27	3995	Filt-FT1,Filt-SSFT1
3997			Remove V Belts And Inspect Them	0.5 hrs	Sat 29/04/23 11:27	Sat 29/04/23 11:57	3996	Filt-FT1,Filt-SSFT1
3998			Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Sat 29/04/23 11:57	Sat 29/04/23 12:42	3997	Filt-FT1,Filt-SSFT1
3999			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Sat 29/04/23 12:42	Sat 29/04/23 13:42	3998	Filt-FT1,Filt-SSFT1
4000			Place It On The Ground	0.5 hrs	Sat 29/04/23 13:42	Sat 29/04/23 14:12	3999	Filt-FT1,Filt-SSFT1
4001			Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Sat 29/04/23 14:12	Sat 29/04/23 14:27	4000	Filt-FT1,Filt-SSFT1
4002			Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Sat 29/04/23 14:27	Sat 29/04/23 14:57	4001	Filt-FT1,Filt-SSFT1
4003			Rig Out The Pump And Transport To The Workshop	1 hr	Sat 29/04/23 14:57	Sat 29/04/23 15:57	4002	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4004			Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Sat 29/04/23 15:57	Sat 29/04/23 16:12	4003	Filt-FT1,Filt-SSFT1
4005			Place The Pump On The Work Bench	0.25 hrs	Sat 29/04/23 16:12	Sat 29/04/23 16:27	4004	Filt-FT1,Filt-SSFT1
4006			Loosen Impeller Locknut	1 hr	Sat 29/04/23 16:27	Sat 29/04/23 17:27	4005	Filt-FT1,Filt-SSFT1
4007			Remove The Impeller	1 hr	Sat 29/04/23 17:27	Sun 30/04/23 07:27	4006	Filt-FT1,Filt-SSFT1
4008			Loosen The Gland Follwer	1 hr	Sun 30/04/23 07:27	Sun 30/04/23 08:27	4007	Filt-FT1,Filt-SSFT1
4009			Separate The Volute And The Bearing Housing	1 hr	Sun 30/04/23 08:27	Sun 30/04/23 09:27	4008	Filt-FT1,Filt-SSFT1
4010			Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Sun 30/04/23 09:27	Sun 30/04/23 10:27	4009	Filt-FT1,Filt-SSFT1
4011			Loosen And Remove The End Cover For The Bearing Housing	0.85 hrs	Sun 30/04/23 10:27	Sun 30/04/23 11:18	4010	Filt-FT1,Filt-SSFT1
4012			Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Sun 30/04/23 11:18	Sun 30/04/23 12:48	4011	Filt-FT1,Filt-SSFT1
4013			Press Ou The Bearing Assembly From The Housing	0.5 hrs	Sun 30/04/23 12:48	Sun 30/04/23 13:18	4012	Filt-FT1,Filt-SSFT1
4014			Press Out The Bearings From The Shaft	0.5 hrs	Sun 30/04/23 13:18	Sun 30/04/23 13:48	4013	Filt-FT1,Filt-SSFT1
4015			Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Sun 30/04/23 13:48	Sun 30/04/23 14:18	4014	Filt-FT1,Filt-SSFT1
4016			Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Sun 30/04/23 14:18	Sun 30/04/23 14:48	4015	Filt-FT1,Filt-SSFT1
4017			Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Sun 30/04/23 14:48	Sun 30/04/23 15:18	4016	Filt-FT1,Filt-SSFT1
4018			Set The Clearances To Specifications	0.5 hrs	Sun 30/04/23 15:18	Sun 30/04/23 15:48	4017	Filt-FT1,Filt-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4019			Close The Bearing Housing	0.5 hrs	Sun 30/04/23 15:48	Sun 30/04/23 16:18	4018	Filt-FT1,Filt-SSFT1
4020			Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Sun 30/04/23 16:18	Sun 30/04/23 16:48	4019	Filt-FT1,Filt-SSFT1
4021			Repack Gland Using 6Mm Packing	0.5 hrs	Sun 30/04/23 16:48	Sun 30/04/23 17:18	4020	Filt-FT1,Filt-SSFT1
4022			Attach The Volute To The Bearing Housing	0.5 hrs	Sun 30/04/23 17:18	Sun 30/04/23 17:48	4021	Filt-FT1,Filt-SSFT1
4023			Install The Impeller And Lock In Position	0.5 hrs	Sun 30/04/23 17:48	Mon 01/05/23 07:18	4022	Filt-FT1,Filt-SSFT1
4024			Transport Pump To The Site	0.5 hrs	Mon 01/05/23 07:18	Mon 01/05/23 07:48	4023	Filt-FT1,Filt-SSFT1
4025			Rig In Position And Secure	1 hr	Mon 01/05/23 07:48	Mon 01/05/23 08:48	4024	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4026			Rig In Motor And Its Base	0.5 hrs	Mon 01/05/23 08:48	Mon 01/05/23 09:18	4025	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4027			Align The Motor And Pump Pulley	1 hr	Mon 01/05/23 09:18	Mon 01/05/23 10:18	4026	Filt-FT1,Filt-SSFT1
4028			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Mon 01/05/23 10:18	Mon 01/05/23 10:48	4027	Filt-FT1,Filt-SSFT1
4029			Replace Guards And Secure	0.25 hrs	Mon 01/05/23 10:48	Mon 01/05/23 11:03	4028	Filt-FT1,Filt-SSFT1
4030			Carry Out House Keeping	0.25 hrs	Mon 01/05/23 11:03	Mon 01/05/23 11:18	4029	Filt-FT1,Filt-SSFT1
4031			Sign Off Permit	0.25 hrs	Mon 01/05/23 11:18	Mon 01/05/23 11:33	4030	Filt-FT1,Filt-SSFT1
4032			Clear Permit	0.25 hrs	Mon 01/05/23 11:33	Mon 01/05/23 11:48	4031	Filt-FT1,Filt-SSFT1
4033		**28C2GA03**	**# B 3RD STAGE FILTRATE PUMP - Overhaul Pump**	**22.8 hrs**	**Mon 01/05/23 11:48**	**Wed 03/05/23 14:06**	**3990**	
4034			Make Out Permit	0.25 hrs	Mon 01/05/23 11:48	Mon 01/05/23 12:03		Operations
4035			Accept Permit	0.25 hrs	Mon 01/05/23 12:30	Mon 01/05/23 12:45	4034	Filt-FT1,Filt-SSFT1
4036			Carry Out Risk Assesment	0.25 hrs	Mon 01/05/23 12:45	Mon 01/05/23 13:00	4035	Filt-FT1,Filt-SSFT1
4037			Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:15	4036	Filt-FT1,Filt-SSFT1
4038			Remove Pulley Guard	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30	4037	Filt-FT1,Filt-SSFT1
4039			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45	4038	Filt-FT1,Filt-SSFT1
4040			Remove V Belts And Inspect Them	0.5 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:15	4039	Filt-FT1,Filt-SSFT1
4041			Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:30	4040	Filt-FT1,Filt-SSFT1
4042			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Mon 01/05/23 14:30	Mon 01/05/23 15:30	4041	Filt-FT1,Filt-SSFT1
4043			Place It On The Ground	0.5 hrs	Mon 01/05/23 15:30	Mon 01/05/23 16:00	4042	Filt-FT1,Filt-SSFT1
4044			Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Mon 01/05/23 16:00	Mon 01/05/23 16:15	4043	Filt-FT1,Filt-SSFT1
4045			Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:45	4044	Filt-FT1,Filt-SSFT1
4046			Rig Out The Pump And Transport To The Workshop	1 hr	Mon 01/05/23 16:45	Mon 01/05/23 17:45	4045	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4047			Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Mon 01/05/23 17:45	Mon 01/05/23 18:00	4046	Filt-FT1,Filt-SSFT1
4048			Place The Pump On The Work Bench	0.25 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:15	4047	Filt-FT1,Filt-SSFT1
4049			Loosen Impeller Locknut	1 hr	Tue 02/05/23 07:15	Tue 02/05/23 08:15	4048	Filt-FT1,Filt-SSFT1
4050			Remove The Impeller	1 hr	Tue 02/05/23 08:15	Tue 02/05/23 09:15	4049	Filt-FT1,Filt-SSFT1
4051			Loosen The Gland Follwer	1 hr	Tue 02/05/23 09:15	Tue 02/05/23 10:15	4050	Filt-FT1,Filt-SSFT1
4052			Separate The Volute And The Bearing Housing	1 hr	Tue 02/05/23 10:15	Tue 02/05/23 11:15	4051	Filt-FT1,Filt-SSFT1
4053			Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Tue 02/05/23 11:15	Tue 02/05/23 12:45	4052	Filt-FT1,Filt-SSFT1
4054			Loosen And Remove The End Cover For The Bearing Housing	0.85 hrs	Tue 02/05/23 12:45	Tue 02/05/23 13:36	4053	Filt-FT1,Filt-SSFT1
4055			Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Tue 02/05/23 13:36	Tue 02/05/23 14:36	4054	Filt-FT1,Filt-SSFT1
4056			Press Out The Bearing Assembly From The Housing	0.5 hrs	Tue 02/05/23 14:36	Tue 02/05/23 15:06	4055	Filt-FT1,Filt-SSFT1
4057			Press Out The Bearings From The Shaft	0.5 hrs	Tue 02/05/23 15:06	Tue 02/05/23 15:36	4056	Filt-FT1,Filt-SSFT1
4058			Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Tue 02/05/23 15:36	Tue 02/05/23 16:06	4057	Filt-FT1,Filt-SSFT1
4059			Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Tue 02/05/23 16:06	Tue 02/05/23 16:36	4058	Filt-FT1,Filt-SSFT1
4060			Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Tue 02/05/23 16:36	Tue 02/05/23 17:06	4059	Filt-FT1,Filt-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4061			Set The Clearances To Specifications	0.5 hrs	Tue 02/05/23 17:06	Tue 02/05/23 17:36	4060	Filt-FT1,Filt-SSFT1
4062			Close The Bearing Housing	0.5 hrs	Tue 02/05/23 17:36	Wed 03/05/23 07:06	4061	Filt-FT1,Filt-SSFT1
4063			Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Wed 03/05/23 07:06	Wed 03/05/23 07:36	4062	Filt-FT1,Filt-SSFT1
4064			Repack Gland Using 6Mm Packing	0.5 hrs	Wed 03/05/23 07:36	Wed 03/05/23 08:06	4063	Filt-FT1,Filt-SSFT1
4065			Attach The Volute To The Bearing Housing	0.5 hrs	Wed 03/05/23 08:06	Wed 03/05/23 08:36	4064	Filt-FT1,Filt-SSFT1
4066			Install The Impeller And Lock In Position	0.5 hrs	Wed 03/05/23 08:36	Wed 03/05/23 09:06	4065	Filt-FT1,Filt-SSFT1
4067			Transport Pump To The Site	0.5 hrs	Wed 03/05/23 09:06	Wed 03/05/23 09:36	4066	Filt-FT1,Filt-SSFT1
4068			Rig In Position And Secure	1 hr	Wed 03/05/23 09:36	Wed 03/05/23 10:36	4067	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4069			Rig In Motor And Its Base	0.5 hrs	Wed 03/05/23 10:36	Wed 03/05/23 11:06	4068	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4070			Align The Motor And Pump Pulley	1 hr	Wed 03/05/23 11:06	Wed 03/05/23 12:36	4069	Filt-FT1,Filt-SSFT1
4071			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Wed 03/05/23 12:36	Wed 03/05/23 13:06	4070	Filt-FT1,Filt-SSFT1
4072			Replace Guards And Secure	0.25 hrs	Wed 03/05/23 13:06	Wed 03/05/23 13:21	4071	Filt-FT1,Filt-SSFT1
4073			Carry Out House Keeping	0.25 hrs	Wed 03/05/23 13:21	Wed 03/05/23 13:36	4072	Filt-FT1,Filt-SSFT1
4074			Sign Off Permit	0.25 hrs	Wed 03/05/23 13:36	Wed 03/05/23 13:51	4073	Filt-FT1,Filt-SSFT1
4075			Clear Permit	0.25 hrs	Wed 03/05/23 13:51	Wed 03/05/23 14:06	4074	Filt-FT1,Filt-SSFT1
4076		**28C2GA03**	**# B 3RD STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Wed 03/05/23 14:06**	**Thu 04/05/23 07:36**	**4033**	
4077			Make out permit	0.25 hrs	Wed 03/05/23 14:06	Wed 03/05/23 14:21		Operations
4078			Accept permit	0.25 hrs	Wed 03/05/23 14:21	Wed 03/05/23 14:36	4077	Filt-FT8,Filt-FT9
4079			Carry out risk assement	0.25 hrs	Wed 03/05/23 14:36	Wed 03/05/23 14:51	4078	Filt-FT8,Filt-FT9
4080			Loosen & remove all securing bolts	1 hr	Wed 03/05/23 14:51	Wed 03/05/23 15:51	4079	Filt-FT8,Filt-FT9
4081			Remove old valve	0.5 hrs	Wed 03/05/23 15:51	Wed 03/05/23 16:21	4080	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
4082			Install new valve	1 hr	Wed 03/05/23 16:21	Wed 03/05/23 17:21	4081	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
4083			Replace all bolts	0.25 hrs	Wed 03/05/23 17:21	Wed 03/05/23 17:36	4082	Filt-FT8,Filt-FT9
4084			Tighten all bolts in correct sequence	0.5 hrs	Wed 03/05/23 17:36	Thu 04/05/23 07:06	4083	Filt-FT8,Filt-FT9
4085			Housekeeping	0.25 hrs	Thu 04/05/23 07:06	Thu 04/05/23 07:21	4084	Filt-FT8,Filt-FT9
4086			Clear permit	0.25 hrs	Thu 04/05/23 07:21	Thu 04/05/23 07:36	4085	Filt-FT8,Filt-FT9
4087		**28C2GA04**	**# B 4TH STAGE FILTRATE PUMP - Overhaul Pump**	**22.85 hrs**	**Thu 04/05/23 07:36**	**Sat 06/05/23 09:27**	**4076**	
4088			Make Out Permit	0.25 hrs	Thu 04/05/23 07:36	Thu 04/05/23 07:51		Filt-FT1,Filt-SSFT1
4089			Accept Permit	0.25 hrs	Thu 04/05/23 07:51	Thu 04/05/23 08:06	4088	Filt-FT1,Filt-SSFT1
4090			Carry Out Risk Assesment	0.25 hrs	Thu 04/05/23 08:06	Thu 04/05/23 08:21	4089	Filt-FT1,Filt-SSFT1
4091			Close Gland Service Water Valve And Disconnect Pipe	0.25 hrs	Thu 04/05/23 08:21	Thu 04/05/23 08:36	4090	Filt-FT1,Filt-SSFT1
4092			Remove Pulley Guard	0.25 hrs	Thu 04/05/23 08:36	Thu 04/05/23 08:51	4091	Filt-FT1,Filt-SSFT1
4093			Loosen The Top Nut Of The Adjusting Studs To Slack The V Belts	0.25 hrs	Thu 04/05/23 08:51	Thu 04/05/23 09:06	4092	Filt-FT1,Filt-SSFT1
4094			Remove V Belts And Inspect Them	0.5 hrs	Thu 04/05/23 09:06	Thu 04/05/23 09:36	4093	Filt-FT1,Filt-SSFT1
4095			Undo The Bottom Nut For The Adjusting Studs	0.25 hrs	Thu 04/05/23 09:36	Thu 04/05/23 09:51	4094	Filt-FT1,Filt-SSFT1
4096			Lift The Motor And Its Base To Separate It From The Pump	1 hr	Thu 04/05/23 09:51	Thu 04/05/23 10:51	4095	Filt-FT1,Filt-SSFT1
4097			Place It On The Ground	0.5 hrs	Thu 04/05/23 10:51	Thu 04/05/23 11:21	4096	Filt-FT1,Filt-SSFT1
4098			Support The Pump Before Loosening The Mounting Bolts	0.25 hrs	Thu 04/05/23 11:21	Thu 04/05/23 11:36	4097	Filt-FT1,Filt-SSFT1
4099			Loosen And Remove All The Pump Mounting Bolts	0.5 hrs	Thu 04/05/23 11:36	Thu 04/05/23 12:36	4098	Filt-FT1,Filt-SSFT1
4100			Rig Out The Pump And Transport To The Workshop	1 hr	Thu 04/05/23 12:36	Thu 04/05/23 13:36	4099	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4101			Prepare Or Clean The Work Bench For Overhauling	0.25 hrs	Thu 04/05/23 13:36	Thu 04/05/23 13:51	4100	Filt-FT1,Filt-SSFT1
4102			Place The Pump On The Work Bench	0.25 hrs	Thu 04/05/23 13:51	Thu 04/05/23 14:06	4101	Filt-FT1,Filt-SSFT1
4103			Loosen Impeller Locknut	1 hr	Thu 04/05/23 14:06	Thu 04/05/23 15:06	4102	Filt-FT1,Filt-SSFT1
4104			Remove The Impeller	1 hr	Thu 04/05/23 15:06	Thu 04/05/23 16:06	4103	Filt-FT1,Filt-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4105			Loosen The Gland Follwer	1 hr	Thu 04/05/23 16:06	Thu 04/05/23 17:06	4104	Filt-FT1,Filt-SSFT1
4106			Separate The Volute And The Bearing Housing	1 hr	Thu 04/05/23 17:06	Fri 05/05/23 07:06	4105	Filt-FT1,Filt-SSFT1
4107			Remove O Ring And Sleeve From The Shaft Respectively	1 hr	Fri 05/05/23 07:06	Fri 05/05/23 08:06	4106	Filt-FT1,Filt-SSFT1
4108			Loosen And Remove The End Cover For The Bearing Housing	0.85 hrs	Fri 05/05/23 08:06	Fri 05/05/23 08:57	4107	Filt-FT1,Filt-SSFT1
4109			Pry Out The Seals From The Covers,Clean,Inspect And Replace With New Ones	1 hr	Fri 05/05/23 08:57	Fri 05/05/23 09:57	4108	Filt-FT1,Filt-SSFT1
4110			Press Ou The Bearing Assembly From The Housing	0.5 hrs	Fri 05/05/23 09:57	Fri 05/05/23 10:27	4109	Filt-FT1,Filt-SSFT1
4111			Press Out The Bearings From The Shaft	0.5 hrs	Fri 05/05/23 10:27	Fri 05/05/23 10:57	4110	Filt-FT1,Filt-SSFT1
4112			Clean Shaft,Inspect And Repair Where Necessary	0.5 hrs	Fri 05/05/23 10:57	Fri 05/05/23 11:27	4111	Filt-FT1,Filt-SSFT1
4113			Install Bearings On The Shaft Using Applicable Method,Eg Arbor Press,Bearing Heater Etc	0.5 hrs	Fri 05/05/23 11:27	Fri 05/05/23 11:57	4112	Filt-FT1,Filt-SSFT1
4114			Install Bearing Assembly In The Housing Using The Correct Method	0.5 hrs	Fri 05/05/23 11:57	Fri 05/05/23 12:57	4113	Filt-FT1,Filt-SSFT1
4115			Set The Clearances To Specifications	0.5 hrs	Fri 05/05/23 12:57	Fri 05/05/23 13:27	4114	Filt-FT1,Filt-SSFT1
4116			Close The Bearing Housing	0.5 hrs	Fri 05/05/23 13:27	Fri 05/05/23 13:57	4115	Filt-FT1,Filt-SSFT1
4117			Insert The Oring Followed By The Sleeve And Lock In Position	0.5 hrs	Fri 05/05/23 13:57	Fri 05/05/23 14:27	4116	Filt-FT1,Filt-SSFT1
4118			Repack Gland Using 6Mm Packing	0.5 hrs	Fri 05/05/23 14:27	Fri 05/05/23 14:57	4117	Filt-FT1,Filt-SSFT1
4119			Attach The Volute To The Bearing Housing	0.5 hrs	Fri 05/05/23 14:57	Fri 05/05/23 15:27	4118	Filt-FT1,Filt-SSFT1
4120			Install The Impeller And Lock In Position	0.5 hrs	Fri 05/05/23 15:27	Fri 05/05/23 15:57	4119	Filt-FT1,Filt-SSFT1
4121			Transport Pump To The Site	0.5 hrs	Fri 05/05/23 15:57	Fri 05/05/23 16:27	4120	Filt-FT1,Filt-SSFT1
4122			Rig In Position And Secure	1 hr	Fri 05/05/23 16:27	Fri 05/05/23 17:27	4121	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4123			Rig In Motor And Its Base	0.5 hrs	Fri 05/05/23 17:27	Fri 05/05/23 17:57	4122	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4124			Align The Motor And Pump Pulley	1 hr	Fri 05/05/23 17:57	Sat 06/05/23 07:57	4123	Filt-FT1,Filt-SSFT1
4125			Install A Matched Set Of V Belts Spz 13Nx1250 And Tension To The Correct Force And Deflection	0.5 hrs	Sat 06/05/23 07:57	Sat 06/05/23 08:27	4124	Filt-FT1,Filt-SSFT1
4126			Replace Guards And Secure	0.25 hrs	Sat 06/05/23 08:27	Sat 06/05/23 08:42	4125	Filt-FT1,Filt-SSFT1
4127			Carry Out House Keeping	0.5 hrs	Sat 06/05/23 08:42	Sat 06/05/23 09:12	4126	Filt-FT1,Filt-SSFT1
4128			Sign Off Permit	0.25 hrs	Sat 06/05/23 09:12	Sat 06/05/23 09:27	4127	Filt-FT1,Filt-SSFT1
4129		**28C2GA04**	**# B 4TH STAGE FILTRATE PUMP - Install New Non Return Valve**	**4.5 hrs**	**Mon 17/04/23 11:00**	**Mon 17/04/23 16:00**		
4130			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4131			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4130	Filt-FT8,Filt-FT9
4132			Carry out risk assement	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4131	Filt-FT8,Filt-FT9
4133			Loosen & remove all securing bolts	1 hr	Mon 17/04/23 11:45	Mon 17/04/23 13:15	4132	Filt-FT8,Filt-FT9
4134			Remove old valve	0.5 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:45	4133	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
4135			Install new valve	1 hr	Mon 17/04/23 13:45	Mon 17/04/23 14:45	4134	Filt-FT8,Filt-FT9,G Moeseraela,T Moloi,K Gabantogele
4136			Replace all bolts	0.25 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:00	4135	Filt-FT8,Filt-FT9
4137			Tighten all bolts in correct sequence	0.5 hrs	Mon 17/04/23 15:00	Mon 17/04/23 15:30	4136	Filt-FT8,Filt-FT9
4138			Housekeeping	0.25 hrs	Mon 17/04/23 15:30	Mon 17/04/23 15:45	4137	Filt-FT8,Filt-FT9
4139			Clear permit	0.25 hrs	Mon 17/04/23 15:45	Mon 17/04/23 16:00	4138	Filt-FT8,Filt-FT9
4140		**28C2GB01**	**# B1 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 16:15**		
4141			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4142			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4141	Filt-FT1,Filt-SSFT1
4143			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4142	Filt-FT1,Filt-SSFT1
4144			Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 15:45	4143	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4145			Inspect V Belts And Replace If Necessary	2.5 hrs	Mon 17/04/23 15:45	Tue 18/04/23 07:15	4144	Filt-FT1,Filt-SSFT1
4146			Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:45	4145	Filt-FT1,Filt-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4147			Grease All The Bearings Using A Manual Grease Pump	2 hrs	Tue 18/04/23 09:45	Tue 18/04/23 11:45	4146	Filt-FT1,Filt-SSFT1
4148			Rig In Guards And Secure	2.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 14:45	4147	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4149			Support The Suction Valve With A Crane	2 hrs	Tue 18/04/23 14:45	Tue 18/04/23 16:45	4148	Filt-FT1,Filt-SSFT1
4150			Loosen And Remove All Bolts	2 hrs	Tue 18/04/23 16:45	Wed 19/04/23 07:45	4149	Filt-FT1,Filt-SSFT1
4151			Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 10:15	4150	Filt-FT1,Filt-SSFT1
4152			Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 13:15	4151	Filt-FT1,Filt-SSFT1
4153			Carry Out House Keeping	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	4152	Filt-FT1,Filt-SSFT1
4154			Dismantle Scaffolding	2.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 16:00	4153	Filt-FT1,Filt-SSFT1
4155			Clear Permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	4154	Filt-FT1,Filt-SSFT1
4156		**28B2GB01**	**# A1 VACUUM PUMP - Modify drain line**	**6.75 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 07:15**		
4157			Clean build up on the bases, pump, pipes prior	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00		Operations
4158			Break concrete to expose underground pipe prior	0 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:00	4157	Civils
4159			Make out permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	4158	Operations
4160			Accept permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4159	M Ramatlhakeng,S Monna
4161			Carry out risk assement	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4160	M Ramatlhakeng,S Monna
4162			Cut flange bolts	1 hr	Mon 17/04/23 11:45	Mon 17/04/23 13:15	4161	M Ramatlhakeng,S Monna
4163			Rig out the old pipes	0.5 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:45	4162	M-Crane 7Ton,G Moeseraela,T Moloi
4164			Rig in new pipes	1 hr	Mon 17/04/23 13:45	Mon 17/04/23 14:45	4163	M-Crane 7Ton,G Moeseraela,T Moloi
4165			Align and mount the pipes	2 hrs	Mon 17/04/23 14:45	Mon 17/04/23 16:45	4164	M Ramatlhakeng,S Monna
4166			Tighten bolts	1 hr	Mon 17/04/23 16:45	Mon 17/04/23 17:45	4165	M Ramatlhakeng,S Monna
4167			Housekeeping	0.25 hrs	Mon 17/04/23 17:45	Mon 17/04/23 18:00	4166	M Ramatlhakeng,S Monna
4168			Clear permit	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	4167	M Ramatlhakeng,S Monna
4169			Cast concrete	0 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:15	4168	Civil
4170		**28C2GB02**	**# B2 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 16:15**		
4171			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4172			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4171	Filt-FT1,Filt-SSFT1
4173			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4172	Filt-FT1,Filt-SSFT1
4174			Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 15:45	4173	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4175			Inspect V Belts And Replace If Necessary	2.5 hrs	Mon 17/04/23 15:45	Tue 18/04/23 07:15	4174	Filt-FT1,Filt-SSFT1
4176			Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:45	4175	Filt-FT1,Filt-SSFT1
4177			Grease All The Bearings Using A Manual Grease Pump	2 hrs	Tue 18/04/23 09:45	Tue 18/04/23 11:45	4176	Filt-FT1,Filt-SSFT1
4178			Rig In Guards And Secure	2.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 14:45	4177	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4179			Support The Suction Valve With A Crane	2 hrs	Tue 18/04/23 14:45	Tue 18/04/23 16:45	4178	Filt-FT1,Filt-SSFT1
4180			Loosen And Remove All Bolts	2 hrs	Tue 18/04/23 16:45	Wed 19/04/23 07:45	4179	Filt-FT1,Filt-SSFT1
4181			Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 10:15	4180	Filt-FT1,Filt-SSFT1
4182			Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 13:15	4181	Filt-FT1,Filt-SSFT1
4183			Carry Out House Keeping	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	4182	Filt-FT1,Filt-SSFT1
4184			Dismantle Scaffolding	2.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 16:00	4183	Filt-FT1,Filt-SSFT1
4185			Clear Permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	4184	Filt-FT1,Filt-SSFT1
4186		**28B2GB02**	**# A2 VACUUM PUMP - Modify drain line**	**6.75 hrs**	**Tue 18/04/23 07:15**	**Tue 18/04/23 14:30**	**4156**	
4187			Clean build up on the bases, pump, pipes prior	0 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:15		Operations
4188			Break concrete to expose underground pipe prior	0 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:15	4187	Civils
4189			Make out permit	0.25 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:30	4188	Operations
4190			Accept permit	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	4189	M Ramatlhakeng,S Monna
4191			Carry out risk assement	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00	4190	M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4192			Cut flange bolts	1 hr	Tue 18/04/23 08:00	Tue 18/04/23 09:00	4191	M Ramatlhakeng,S Monna
4193			Rig out the old pipes	0.5 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:30	4192	M-Crane 7Ton,G Moeseraela,T Moloi
4194			Rig in new pipes	1 hr	Tue 18/04/23 09:30	Tue 18/04/23 10:30	4193	M-Crane 7Ton,G Moeseraela,T Moloi
4195			Align and mount the pipes	2 hrs	Tue 18/04/23 10:30	Tue 18/04/23 13:00	4194	M Ramatlhakeng,S Monna
4196			Tighten bolts	1 hr	Tue 18/04/23 13:00	Tue 18/04/23 14:00	4195	M Ramatlhakeng,S Monna
4197			Housekeeping	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	4196	M Ramatlhakeng,S Monna
4198			Clear permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30	4197	M Ramatlhakeng,S Monna
4199			Cast concrete	0 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:30	4198	Civil
4200		**28C2GB03**	**# B3 VACUUM PUMP - Carry Out Inspection**	**25.75 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 16:15**		
4201			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4202			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4201	Filt-FT1,Filt-SSFT1
4203			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4202	Filt-FT1,Filt-SSFT1
4204			Loosen Guards And Rig Out With A Shuttle Lift	3.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 15:45	4203	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4205			Inspect V Belts And Replace If Necessary	2.5 hrs	Mon 17/04/23 15:45	Tue 18/04/23 07:15	4204	Filt-FT1,Filt-SSFT1
4206			Clean The Pulleys And Inspect For Wear And Corrossion	2.5 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:45	4205	Filt-FT1,Filt-SSFT1
4207			Grease All The Bearings Using A Manual Grease Pump	2 hrs	Tue 18/04/23 09:45	Tue 18/04/23 11:45	4206	Filt-FT1,Filt-SSFT1
4208			Rig In Guards And Secure	2.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 14:45	4207	Filt-FT1,Filt-SSFT1,G Moeseraela,T Moloi,K Gabantoge
4209			Support The Suction Valve With A Crane	2 hrs	Tue 18/04/23 14:45	Tue 18/04/23 16:45	4208	Filt-FT1,Filt-SSFT1
4210			Loosen And Remove All Bolts	2 hrs	Tue 18/04/23 16:45	Wed 19/04/23 07:45	4209	Filt-FT1,Filt-SSFT1
4211			Lift The Valve And Inspect Rubber Lining For Wear And Tear	2.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 10:15	4210	Filt-FT1,Filt-SSFT1
4212			Lower The Valve In Position Or Replace If Necessary Then Box Up	2.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 13:15	4211	Filt-FT1,Filt-SSFT1
4213			Carry Out House Keeping	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	4212	Filt-FT1,Filt-SSFT1
4214			Dismantle Scaffolding	2.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 16:00	4213	Filt-FT1,Filt-SSFT1
4215			Clear Permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	4214	Filt-FT1,Filt-SSFT1
4216		**28B2GB03**	**# A3 VACUUM PUMP - Modify drain line**	**6.75 hrs**	**Tue 18/04/23 14:30**	**Wed 19/04/23 10:15**	**4186**	
4217			Clean build up on the bases, pump, pipes prior	0 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:30		Operations
4218			Break concrete to expose underground pipe prior	0 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:30	4217	Civils
4219			Make out permit	0.25 hrs	Tue 18/04/23 14:30	Tue 18/04/23 14:45	4218	Operations
4220			Accept permit	0.25 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:00	4219	M Ramatlhakeng,S Monna
4221			Carry out risk assement	0.25 hrs	Tue 18/04/23 15:00	Tue 18/04/23 15:15	4220	M Ramatlhakeng,S Monna
4222			Cut flange bolts	1 hr	Tue 18/04/23 15:15	Tue 18/04/23 16:15	4221	M Ramatlhakeng,S Monna
4223			Rig out the old pipes	0.5 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:45	4222	M-Crane 7Ton,G Moeseraela,T Moloi
4224			Rig in new pipes	1 hr	Tue 18/04/23 16:45	Tue 18/04/23 17:45	4223	M-Crane 7Ton,G Moeseraela,T Moloi
4225			Align and mount the pipes	2 hrs	Tue 18/04/23 17:45	Wed 19/04/23 08:45	4224	M Ramatlhakeng,S Monna
4226			Tighten bolts	1 hr	Wed 19/04/23 08:45	Wed 19/04/23 09:45	4225	M Ramatlhakeng,S Monna
4227			Housekeeping	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	4226	M Ramatlhakeng,S Monna
4228			Clear permit	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	4227	M Ramatlhakeng,S Monna
4229			Cast concrete	0 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:15	4228	Civil
4230			**ELECTRICAL**	**44.25 hrs**	**Mon 17/04/23 11:00**	**Fri 21/04/23 13:45**	**3758**	
4231		**28C2GB04**	**# B3 VACUUM PUMP - Services Electric Motor And Panel Components**	**23.25 hrs**	**Mon 17/04/23 11:00**	**Wed 19/04/23 13:45**		
4232			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4233			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4232	Ash-Elec2,Ash-SSElec2
4234			Services Electric Motor And Panel Components	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4233	Ash-Elec2,Ash-SSElec2
4235			Remove All Vacuum Motor Canopies	2.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 14:45	4234	G Moeseraela,T Moloi,K Gabantogele
4236			Carry Out Electric Isolation	0.25 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:00	4235	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4237			Disconnect and remove motor and send for painting	2 hrs	Mon 17/04/23 15:00	Mon 17/04/23 17:00	4236	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4238			Paint motor	6 hrs	Mon 17/04/23 17:00	Tue 18/04/23 12:00	4237	Painter 1
4239			Curing time	4 hrs	Tue 18/04/23 12:30	Tue 18/04/23 16:30	4238	
4240			Check Loose Connections In The Panel	0.25 hrs	Tue 18/04/23 16:30	Tue 18/04/23 16:45	4239	Ash-Elec2,Ash-SSElec2
4241			Check Soft Starter Connections & Clear Dust	0.25 hrs	Tue 18/04/23 16:45	Tue 18/04/23 17:00	4240	Ash-Elec2,Ash-SSElec2
4242			Service Stop/Start	0.25 hrs	Tue 18/04/23 17:00	Tue 18/04/23 17:15	4241	Ash-Elec2,Ash-SSElec2
4243			Check Motor Fan Condition	0.25 hrs	Tue 18/04/23 17:15	Tue 18/04/23 17:30	4242	Ash-Elec2,Ash-SSElec2
4244			Check Cable Terminal Leads For Over Heating	2 hrs	Tue 18/04/23 17:30	Wed 19/04/23 08:30	4243	Ash-Elec2,Ash-SSElec2
4245			Install and connect motor	2 hrs	Wed 19/04/23 08:30	Wed 19/04/23 10:30	4244	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4246			Tighten Motor Connections & Gland Intergrity	2 hrs	Wed 19/04/23 10:30	Wed 19/04/23 13:00	4245	Ash-Elec2,Ash-SSElec2
4247			Seal For Moisture And Dust	0.25 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:15	4246	Ash-Elec2,Ash-SSElec2
4248			Confirm Correct Protection Settings	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	4247	Ash-Elec2,Ash-SSElec2
4249			Clear Permit	0.25 hrs	Wed 19/04/23 13:30	Wed 19/04/23 13:45	4248	Ash-Elec2,Ash-SSElec2
4250		**28C2GB03**	**# B2 VACUUM PUMP - Services Electric Motor And Panel Components**	**21 hrs**	**Wed 19/04/23 13:45**	**Fri 21/04/23 13:45**	**4231**	
4251			Make Out Permit	0.25 hrs	Wed 19/04/23 13:45	Wed 19/04/23 14:00		Operations
4252			Accept Permit	0.25 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:15	4251	Ash-Elec2,Ash-SSElec2
4253			Remove All Vacuum Motor Canopies	0.25 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:30	4252	G Moeseraela,T Moloi,K Gabantogele
4254			Services Electric Motor And Panel Components	0.25 hrs	Wed 19/04/23 14:30	Wed 19/04/23 14:45	4253	Ash-Elec2,Ash-SSElec2
4255			Carry Out Electric Isolation	0.25 hrs	Wed 19/04/23 14:45	Wed 19/04/23 15:00	4254	Ash-Elec2,Ash-SSElec2
4256			Disconnect and remove motor and send for painting	2 hrs	Wed 19/04/23 15:00	Wed 19/04/23 17:00	4255	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4257			Paint motor	6 hrs	Wed 19/04/23 17:00	Thu 20/04/23 12:00	4256	Painter 1
4258			Curing time	4 hrs	Thu 20/04/23 12:30	Thu 20/04/23 16:30	4257	
4259			Check Loose Connections In The Panel	0.25 hrs	Thu 20/04/23 16:30	Thu 20/04/23 16:45	4258	Ash-Elec2,Ash-SSElec2
4260			Check Soft Starter Connections & Clear Dust	0.25 hrs	Thu 20/04/23 16:45	Thu 20/04/23 17:00	4259	Ash-Elec2,Ash-SSElec2
4261			Service Stop/Start	0.25 hrs	Thu 20/04/23 17:00	Thu 20/04/23 17:15	4260	Ash-Elec2,Ash-SSElec2
4262			Check Motor Fan Condition	0.25 hrs	Thu 20/04/23 17:15	Thu 20/04/23 17:30	4261	Ash-Elec2,Ash-SSElec2
4263			Check Cable Terminal Leads For Over Heating	2 hrs	Thu 20/04/23 17:30	Fri 21/04/23 08:30	4262	Ash-Elec2,Ash-SSElec2
4264			Install and connect motor	2 hrs	Fri 21/04/23 08:30	Fri 21/04/23 10:30	4263	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4265			Tighten Motor Connections & Gland Intergrity	2 hrs	Fri 21/04/23 10:30	Fri 21/04/23 13:00	4264	Ash-Elec2,Ash-SSElec2
4266			Seal For Moisture And Dust	0.25 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:15	4265	Ash-Elec2,Ash-SSElec2
4267			Confirm Correct Protection Settings	0.25 hrs	Fri 21/04/23 13:15	Fri 21/04/23 13:30	4266	Ash-Elec2,Ash-SSElec2
4268			Clear Permit	0.25 hrs	Fri 21/04/23 13:30	Fri 21/04/23 13:45	4267	Ash-Elec2,Ash-SSElec2
4269		**28C2GB02**	**# B1 VACUUM PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 07:30**		
4270			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4271			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4270	Ash-Elec3,Ash-SSElec3
4272			Services Electric Motor And Panel Components	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4271	Ash-Elec3,Ash-SSElec3
4273			Remove All Vacuum Motor Canopies	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	4272	G Moeseraela,T Moloi,K Gabantogele
4274			Carry Out Electric Isolation	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	4273	Ash-Elec3,Ash-SSElec3
4275			Check Loose Connections In The Panel	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	4274	Ash-Elec3,Ash-SSElec3
4276			Check Soft Starter Connections & Clear Dust	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15	4275	Ash-Elec3,Ash-SSElec3
4277			Service Stop/Start	0.25 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:30	4276	Ash-Elec3,Ash-SSElec3
4278			Check Motor Fan Condition	0.25 hrs	Mon 17/04/23 13:30	Mon 17/04/23 13:45	4277	Ash-Elec3,Ash-SSElec3
4279			Check Cable Terminal Leads For Over Heating	2 hrs	Mon 17/04/23 13:45	Mon 17/04/23 15:45	4278	Ash-Elec3,Ash-SSElec3
4280			Tighten Motor Connections & Gland Intergrity	2 hrs	Mon 17/04/23 15:45	Mon 17/04/23 17:45	4279	Ash-Elec3,Ash-SSElec3
4281			Seal For Moisture And Dust	0.25 hrs	Mon 17/04/23 17:45	Mon 17/04/23 18:00	4280	Ash-Elec3,Ash-SSElec3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4282			Confirm Correct Protection Settings	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	4281	Ash-Elec3,Ash-SSElec3
4283			Clear Permit	0.25 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:30	4282	Ash-Elec3,Ash-SSElec3
4284		**28C2RE01**	**# B BICARBONATE BELT CONVEYOR - Services Electric Motor And Panel Components**	**17.5 hrs**	**Tue 18/04/23 07:30**	**Wed 19/04/23 15:00**	**4269**	
4285			Make Out Permit	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45		Operations
4286			Accept Permit	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00	4285	Ash-Elec3,Ash-SSElec3
4287			Services Electric Motor And Panel Components	0.25 hrs	Tue 18/04/23 08:00	Tue 18/04/23 08:15	4286	Ash-Elec3,Ash-SSElec3
4288			Carry Out Electric Isolation	0.25 hrs	Tue 18/04/23 08:15	Tue 18/04/23 08:30	4287	Ash-Elec3,Ash-SSElec3
4289			Disconnect and remove motor and send for painting	2 hrs	Tue 18/04/23 08:30	Tue 18/04/23 10:30	4288	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4290			Paint motor	6 hrs	Tue 18/04/23 10:30	Tue 18/04/23 17:00	4289	Painter 1
4291			Curing time	4 hrs	Tue 18/04/23 17:00	Wed 19/04/23 10:00	4290	
4292			Check Loose Connections In The Panel	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	4291	Ash-Elec3,Ash-SSElec3
4293			Check Contactor Contacts	0.25 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:30	4292	Ash-Elec3,Ash-SSElec3
4294			Service U/S Circuit	0.25 hrs	Wed 19/04/23 10:30	Wed 19/04/23 10:45	4293	Ash-Elec3,Ash-SSElec3
4295			Service Stop/Start	0.25 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:00	4294	Ash-Elec3,Ash-SSElec3
4296			Replace Worn Underspeed Feed Cable Rack	0.25 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:15	4295	Ash-Elec3,Ash-SSElec3
4297			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 19/04/23 11:15	Wed 19/04/23 11:30	4296	Ash-Elec3,Ash-SSElec3
4298			Install and connect motor	2 hrs	Wed 19/04/23 11:30	Wed 19/04/23 14:00	4297	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4299			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:15	4298	Ash-Elec3,Ash-SSElec3
4300			Seal For Moisture And Dust	0.25 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:30	4299	Ash-Elec3,Ash-SSElec3
4301			Confirm Correct Protection Settings	0.25 hrs	Wed 19/04/23 14:30	Wed 19/04/23 14:45	4300	Ash-Elec3,Ash-SSElec3
4302			Clear Permit	0.25 hrs	Wed 19/04/23 14:45	Wed 19/04/23 15:00	4301	Ash-Elec3,Ash-SSElec3
4303		**28C2GA02**	**# B SECONDARY FILTRATE PUMP - Services Electric Motor And Panel Components**	**8.75 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 09:15**		
4304			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4305			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4304	Ash-Elec4,Ash-SSElec4
4306			Services Electric Motor And Panel Components	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4305	Ash-Elec4,Ash-SSElec4
4307			Carry Out Electrical Isolation	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	4306	Ash-Elec4,Ash-SSElec4
4308			Disconnect and remove motor and send for repairs	2 hrs	Mon 17/04/23 12:30	Mon 17/04/23 14:30	4307	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4309			Check Loose Connections In The Panel	0.25 hrs	Mon 17/04/23 14:30	Mon 17/04/23 14:45	4308	Ash-Elec4,Ash-SSElec4
4310			Check Contactor Contacts	0.25 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:00	4309	Ash-Elec4,Ash-SSElec4
4311			Service Stop/Start	0.25 hrs	Mon 17/04/23 15:00	Mon 17/04/23 15:15	4310	Ash-Elec4,Ash-SSElec4
4312			Install and connect motor	2 hrs	Mon 17/04/23 15:15	Mon 17/04/23 17:15	4311	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4313			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:30	4312	Ash-Elec4,Ash-SSElec4
4314			Tighten Motor Connections & Gland Intergrity	2 hrs	Mon 17/04/23 17:30	Tue 18/04/23 08:30	4313	Ash-Elec4,Ash-SSElec4
4315			Seal For Moisture And Dust	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45	4314	Ash-Elec4,Ash-SSElec4
4316			Confirm Correct Protection Settings	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	4315	Ash-Elec4,Ash-SSElec4
4317			Clear Permit	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	4316	Ash-Elec4,Ash-SSElec4
4318		**28C2FK01**	**# B BELT FILTER - Carry out general electrical inspections**	**10.5 hrs**	**Tue 18/04/23 09:15**	**Wed 19/04/23 09:15**	**4303**	
4319			Make Out Permit	0.25 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:30		Operations
4320			Accept Permit	0.25 hrs	Tue 18/04/23 09:30	Tue 18/04/23 09:45	4319	Ash-Elec4,Ash-SSElec4
4321			Carry Out Electric Isolation	0.25 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:00	4320	Ash-Elec4,Ash-SSElec4
4322			Disconnect and remove motor and send for repairs	2 hrs	Tue 18/04/23 10:00	Tue 18/04/23 12:00	4321	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4323			Check Loose Connections In The Panel	0.25 hrs	Tue 18/04/23 12:30	Tue 18/04/23 12:45	4322	Ash-Elec4,Ash-SSElec4
4324			Check Vsd Connections And Blow Out Dust	0.25 hrs	Tue 18/04/23 12:45	Tue 18/04/23 13:00	4323	Ash-Elec4,Ash-SSElec4

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4325			Service Stop/Start	0.25 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:15	4324	Ash-Elec4,Ash-SSElec4
4326			Install and connect motor	2 hrs	Tue 18/04/23 13:15	Tue 18/04/23 15:15	4325	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4327			Replace pick tails for trip wire	1 hr	Tue 18/04/23 15:15	Tue 18/04/23 16:15	4326	Ash-Elec4,Ash-SSElec4
4328			Service belt alignment switches& Thoroughly Seal	2 hrs	Tue 18/04/23 16:15	Wed 19/04/23 07:15	4327	Ash-Elec4,Ash-SSElec4
4329			Service Pull Switshes And Check Pull Wire	1 hr	Wed 19/04/23 07:15	Wed 19/04/23 08:15	4328	Ash-Elec4,Ash-SSElec4
4330			Check loose ocnnection in pull wire junction box	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4329	Ash-Elec4,Ash-SSElec4
4331			Seal For Moisture And Dust	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	4330	Ash-Elec4,Ash-SSElec4
4332			Change Vsd Motor Protection To Match Name Plate	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	4331	Ash-Elec4,Ash-SSElec4
4333			Clear Permit	0.25 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:15	4332	Ash-Elec4,Ash-SSElec4
4334		**28C2GB01**	**# B BELT FILTER BLOWER - Services Electric Motor And Panel Components**	**8 hrs**	**Mon 17/04/23 11:00**	**Tue 18/04/23 08:30**		
4335			Make Out Permit	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15		Operations
4336			Accept Permit	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	4335	Ash-Elec1,Ash-SSElec1
4337			Services Electric Motor And Panel Components	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	4336	Ash-Elec1,Ash-SSElec1
4338			Carry Out Electric Isolation	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	4337	Ash-Elec1,Ash-SSElec1
4339			Disconnect and remove motor and send for repairs	2 hrs	Mon 17/04/23 12:30	Mon 17/04/23 14:30	4338	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
4340			Check Loose Connections In The Panel	0.25 hrs	Mon 17/04/23 14:30	Mon 17/04/23 14:45	4339	Ash-Elec1,Ash-SSElec1
4341			Check Contactor Contacts	0.25 hrs	Mon 17/04/23 14:45	Mon 17/04/23 15:00	4340	Ash-Elec1,Ash-SSElec1
4342			Install motor	1.5 hrs	Mon 17/04/23 15:00	Mon 17/04/23 16:30	4341	Fitter,Ash-Elec1,Ash-SSElec1,G Moeseraela,T Moloi,K
4343			Connect motor	1.5 hrs	Mon 17/04/23 16:30	Mon 17/04/23 18:00	4342	Ash-Elec1,Ash-SSElec1
4344			Service Stop/Start	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	4343	Ash-Elec1,Ash-SSElec1
4345			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:30	4344	Ash-Elec1,Ash-SSElec1
4346			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	4345	Ash-Elec1,Ash-SSElec1
4347			Seal For Moisture And Dust	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00	4346	Ash-Elec1,Ash-SSElec1
4348			Change Vsd Motor Protection To Match Name Plate	0.25 hrs	Tue 18/04/23 08:00	Tue 18/04/23 08:15	4347	Ash-Elec1,Ash-SSElec1
4349			Clear Permit	0.25 hrs	Tue 18/04/23 08:15	Tue 18/04/23 08:30	4348	Ash-Elec1,Ash-SSElec1
4350		**28C2GA03**	**# B 3RD STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**7.25 hrs**	**Tue 18/04/23 08:30**	**Tue 18/04/23 16:15**	**4334**	
4351			Make Out Permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45		Operations
4352			Accept Permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	4351	Ash-Elec1,Ash-SSElec1
4353			Services Electric Motor And Panel Components	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	4352	Ash-Elec1,Ash-SSElec1
4354			Remove All Vacuum Motor Canopies	0.25 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:30	4353	G Moeseraela,T Moloi,K Gabantogele
4355			Carry Out Electric Isolation	0.25 hrs	Tue 18/04/23 09:30	Tue 18/04/23 09:45	4354	Ash-Elec1,Ash-SSElec1
4356			Disconnect and remove motor and send for repairs	2 hrs	Tue 18/04/23 09:45	Tue 18/04/23 11:45	4355	Fitter,Ash-Elec1,Ash-SSElec1,G Moeseraela,T Moloi,K
4357			Check Loose Connections In The Panel	0.25 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:00	4356	Ash-Elec1,Ash-SSElec1
4358			Check Soft Starter Connections & Clear Dust	0.25 hrs	Tue 18/04/23 12:30	Tue 18/04/23 12:45	4357	Ash-Elec1,Ash-SSElec1
4359			Service Stop/Start	0.25 hrs	Tue 18/04/23 12:45	Tue 18/04/23 13:00	4358	Ash-Elec1,Ash-SSElec1
4360			Install and connect motor	2 hrs	Tue 18/04/23 13:00	Tue 18/04/23 15:00	4359	Fitter,Ash-Elec1,Ash-SSElec1,G Moeseraela,T Moloi,K
4361			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 18/04/23 15:00	Tue 18/04/23 15:15	4360	Ash-Elec1,Ash-SSElec1
4362			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Tue 18/04/23 15:15	Tue 18/04/23 15:30	4361	Ash-Elec1,Ash-SSElec1
4363			Seal For Moisture And Dust	0.25 hrs	Tue 18/04/23 15:30	Tue 18/04/23 15:45	4362	Ash-Elec1,Ash-SSElec1
4364			Confirm Correct Protection Settings	0.25 hrs	Tue 18/04/23 15:45	Tue 18/04/23 16:00	4363	Ash-Elec1,Ash-SSElec1
4365			Clear Permit	0.25 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:15	4364	Ash-Elec1,Ash-SSElec1
4366		**28C2GA04**	**# B 4TH STAGE FILTRATE PUMP - Services Electric Motor And Panel Components**	**7 hrs**	**Tue 18/04/23 16:15**	**Wed 19/04/23 12:45**	**4350**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4367			Make Out Permit	0.25 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:30		Operations
4368			Accept Permit	0.25 hrs	Tue 18/04/23 16:30	Tue 18/04/23 16:45	4367	Ash-Elec1,Ash-SSElec1
4369			Services Electric Motor And Panel Components	0.25 hrs	Tue 18/04/23 16:45	Tue 18/04/23 17:00	4368	Ash-Elec1,Ash-SSElec1
4370			Carry Out Electrical Isolation	0.25 hrs	Tue 18/04/23 17:00	Tue 18/04/23 17:15	4369	Ash-Elec1,Ash-SSElec1
4371			Disconnect and remove motor and send for repairs	2 hrs	Tue 18/04/23 17:15	Wed 19/04/23 08:15	4370	Fitter,Ash-Elec1,Ash-SSElec1,G Moeseraela,T Moloi,K
4372			Check Loose Connections In The Panel	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4371	Ash-Elec1,Ash-SSElec1
4373			Check Contactor Contacts	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	4372	Ash-Elec1,Ash-SSElec1
4374			Service Stop/Start	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	4373	Ash-Elec1,Ash-SSElec1
4375			Install and connect motor	2 hrs	Wed 19/04/23 09:00	Wed 19/04/23 11:00	4374	Fitter,Ash-Elec1,Ash-SSElec1,G Moeseraela,T Moloi,K
4376			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:15	4375	Ash-Elec1,Ash-SSElec1
4377			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 19/04/23 11:15	Wed 19/04/23 11:30	4376	Ash-Elec1,Ash-SSElec1
4378			Seal For Moisture And Dust	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	4377	Ash-Elec1,Ash-SSElec1
4379			Confirm Correct Protection Settings	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	4378	Ash-Elec1,Ash-SSElec1
4380			Clear Permit	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	4379	Ash-Elec1,Ash-SSElec1
4381			**INSTRUMENTATION**	**32.54 hrs**	**Tue 25/04/23 10:58**	**Fri 28/04/23 12:00**		
4382		**28C2FK02**	**# B BELT FILTER - Overhaul alignment system**	**11 hrs**	**Tue 25/04/23 10:58**	**Wed 26/04/23 11:28**	**3728**	
4383			Make out permit	0.25 hrs	Tue 25/04/23 10:58	Tue 25/04/23 11:13		Operations
4384			Accept permit	0.25 hrs	Tue 25/04/23 11:13	Tue 25/04/23 11:28	4383	Ash-Inst2,SS-Ash-Ins2
4385			Disconnect instruments	1 hr	Tue 25/04/23 11:28	Tue 25/04/23 12:58	4384	Ash-Inst2,SS-Ash-Ins2
4386			Remove the device	3 hrs	Tue 25/04/23 12:58	Tue 25/04/23 15:58	4385	Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,K
4387			Overhaul the system	3 hrs	Tue 25/04/23 15:58	Wed 26/04/23 07:58	4386	Ash-Inst2,SS-Ash-Ins2
4388			Install the system	3 hrs	Wed 26/04/23 07:58	Wed 26/04/23 10:58	4387	Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,K
4389			Stroke check valve	0.25 hrs	Wed 26/04/23 10:58	Wed 26/04/23 11:13	4388	Ash-Inst2,SS-Ash-Ins2
4390			Clear permit	0.25 hrs	Wed 26/04/23 11:13	Wed 26/04/23 11:28	4389	Ash-Inst2,SS-Ash-Ins2
4391		**28HS005**	**# B BELT FILTER VALVE (slide gate) - Replace valve**	**5 hrs**	**Wed 26/04/23 11:28**	**Wed 26/04/23 16:58**	**4382**	
4392			Make out permit	0.25 hrs	Wed 26/04/23 11:28	Wed 26/04/23 11:43		Operations
4393			Accept permit	0.25 hrs	Wed 26/04/23 11:43	Wed 26/04/23 11:58	4392	Ash-Inst2,SS-Ash-Ins2
4394			Disconnect instruments	1 hr	Wed 26/04/23 11:58	Wed 26/04/23 13:28	4393	Ash-Inst2,SS-Ash-Ins2
4395			Replace valve	3 hrs	Wed 26/04/23 13:28	Wed 26/04/23 16:28	4394	Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,K
4396			Stroke check valve	0.25 hrs	Wed 26/04/23 16:28	Wed 26/04/23 16:43	4395	Ash-Inst2,SS-Ash-Ins2
4397			Clear permit	0.25 hrs	Wed 26/04/23 16:43	Wed 26/04/23 16:58	4396	Ash-Inst2,SS-Ash-Ins2
4398		**28LC201**	**# B BELT LEVEL CONTROL VALVE - Replace sleeve**	**6 hrs**	**Wed 26/04/23 16:58**	**Thu 27/04/23 11:58**	**4391**	
4399			Make out permit	0.25 hrs	Wed 26/04/23 16:58	Wed 26/04/23 17:13		Operations
4400			Accept permit	0.25 hrs	Wed 26/04/23 17:13	Wed 26/04/23 17:28	4399	Ash-Inst2,SS-Ash-Ins2
4401			Disconnect instruments	0.5 hrs	Wed 26/04/23 17:28	Wed 26/04/23 17:58	4400	Ash-Inst2,SS-Ash-Ins2
4402			Remove old sleeve/liner	3.25 hrs	Wed 26/04/23 17:58	Thu 27/04/23 10:13	4401	RSC Scaffolding,Filt-FT2,Ash-Inst2,SS-Ash-Ins2,G Moes
4403			Replace sleeve/liner	1 hr	Thu 27/04/23 10:13	Thu 27/04/23 11:13	4402	Ash-Inst2,SS-Ash-Ins2
4404			Stroke check valve	0.25 hrs	Thu 27/04/23 11:13	Thu 27/04/23 11:28	4403	Ash-Inst2,SS-Ash-Ins2
4405			Clear permit	0.5 hrs	Thu 27/04/23 11:28	Thu 27/04/23 11:58	4404	Ash-Inst2,SS-Ash-Ins2
4406			**# B CO2 COMPRESSOR - Calibrate instruments**	**10.54 hrs**	**Thu 27/04/23 11:58**	**Fri 28/04/23 12:00**	**4398**	
4407			Make out permit	0.25 hrs	Thu 27/04/23 11:58	Thu 27/04/23 12:13		Operations
4408			Accept permit	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	4407	Ins-Assist1,Ash-Inst2,SS-Ash-Ins2
4409			Disconnect instruments	3 hrs	Thu 27/04/23 12:45	Thu 27/04/23 15:45	4408	Ins-Assist1,Ash-Inst2,SS-Ash-Ins2
4410			Inspect and calibrate instruments	4 hrs	Thu 27/04/23 15:45	Fri 28/04/23 08:45	4409	Ins-Assist1,Ash-Inst2,SS-Ash-Ins2
4411			Install and test	3 hrs	Fri 28/04/23 08:45	Fri 28/04/23 11:45	4410	Ins-Assist1,Ash-Inst2,SS-Ash-Ins2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4412			Clear permit	0.25 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:00	4411	Ins-Assist1,Operations,Ash-Inst2,SS-Ash-Ins2
4413			Thickening and Filtration Maintenance Complete	0 hrs	Sun 14/05/23 18:00	Sun 14/05/23 18:00	2479,2918,	
4414		**Area 29A**	**CALCINER - A LINE**	**248 hrs?**	**Mon 17/04/23 06:30**	**Wed 10/05/23 14:00**		
4415			**OPERATIONS**	**31.5 hrs**	**Mon 17/04/23 06:30**	**Thu 20/04/23 03:30**		
4416		**29A2GR01**	**CALCINER A - Shutdown & Cleaning**	**22 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 08:00**		
4417			Organize Hoses Prior	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
4418			Empty Calciner	4 hrs	Mon 17/04/23 06:30	Mon 17/04/23 10:30	4417	Operations
4419			Depressurize The Calciner System	2 hrs	Mon 17/04/23 10:30	Mon 17/04/23 12:30	4418	Operations
4420			Issue Permit	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	4419	Operations
4421			Swing Elbow	1 hr	Mon 17/04/23 12:45	Mon 17/04/23 13:45	4420	M Ramosomana,M Kene
4422			Force Cool	4 hrs	Mon 17/04/23 13:45	Mon 17/04/23 17:45	4421	Operations
4423			Open All Mixer Covers	2 hrs	Mon 17/04/23 17:45	Tue 18/04/23 08:45	4422	M Ramosomana,M Kene
4424			Open Calciner Drain Cover	0.5 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:15	4423	Operations
4425			Open Discharge Screw Bottom Covers	0.5 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:45	4424	M Ramosomana,M Kene
4426			Run Calciner On Main Drive	0.25 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:00	4425	Operations
4427			Wash Calciner	22 hrs	Tue 18/04/23 10:00	Wed 19/04/23 08:00	4426	Operations
4428			**PLANT STRUCTURE - Washing**	**31.5 hrs**	**Mon 17/04/23 06:30**	**Thu 20/04/23 03:30**		
4429			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
4430			Accept Permit	0.25 hrs	Mon 17/04/23 06:45	Mon 17/04/23 07:00	4429	Operations
4431			Carry Out Risk Assessment	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	4430	Operations
4432			Open incline conveyor covers	2 hrs	Mon 17/04/23 07:15	Mon 17/04/23 09:15	4431	Calc-SSFT1,M Ramosomana,M Kene
4433		29A2RF02	Wash incline chain conveyor	6 hrs	Mon 17/04/23 09:15	Mon 17/04/23 15:15	4432	Operations
4434			Wash Calcining plant structure	60 hrs	Mon 17/04/23 15:15	Thu 20/04/23 03:15	4433	Operations
4435			Clear Permit	0.25 hrs	Thu 20/04/23 03:15	Thu 20/04/23 03:30	4434	Operations
4436		**29A2FB01**	**# A SEAL WATER TANK - Drain & Clean Out Seal Water Tank**	**5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 12:00**	**4416SS**	
4437			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
4438			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	4437	M Ramosomana,M Kene
4439			Drain Tank	0.5 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:45	4438	Operations
4440			Remove Cover	1 hr	Mon 17/04/23 07:45	Mon 17/04/23 08:45	4439	M-Crane 7Ton,G Moeseraela,T Moloi,K Gabantogele
4441			Inspect Tank Internals	0.5 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:15	4440	Inspector
4442			Clean Out Tank	2 hrs	Mon 17/04/23 09:15	Mon 17/04/23 11:15	4441	Operations
4443			Box Up	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	4442	M Ramosomana,M Kene
4444			Clear Permit	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	4443	M Ramosomana,M Kene
4445		**29A2EA01**	**# A SCRUBBER CONDENSATE COOLER - Soak For Cleaning**	**8.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 16:00**	**4416SS**	
4446			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
4447			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	4446	M Ramosomana,M Kene
4448			Soak For Cleaning (Acid Wash)	8 hrs	Mon 17/04/23 07:15	Mon 17/04/23 15:15	4447	Operations
4449			Drain Cooler	0.5 hrs	Mon 17/04/23 15:15	Mon 17/04/23 15:45	4448	M Ramosomana,M Kene
4450			Clear Permit	0.25 hrs	Mon 17/04/23 15:45	Mon 17/04/23 16:00	4449	M Ramosomana,M Kene
4451		**29A2DK01**	**INSPECTION& CLEANING - Scrubber A**	**23 hrs**	**Mon 17/04/23 16:00**	**Wed 19/04/23 19:45**	**4445**	
4452			Organize Rings Prior	0 hrs	Mon 17/04/23 16:00	Mon 17/04/23 16:00		Operations
4453			Circulate With Citric Acid	10 hrs	Mon 17/04/23 16:00	Tue 18/04/23 02:00	4452	Operations
4454			Close Water To Sprays	0.25 hrs	Tue 18/04/23 02:00	Tue 18/04/23 02:15	4453	Operations
4455			Close Scrubber Makeup	0.25 hrs	Tue 18/04/23 02:15	Tue 18/04/23 02:30	4454	Operations
4456			Drain Scrubber	0.5 hrs	Tue 18/04/23 02:30	Tue 18/04/23 03:00	4455	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4457			Issue Permit	0.25 hrs	Tue 18/04/23 03:00	Tue 18/04/23 03:15	4456	Operations
4458			Open Inspection Covers	2 hrs	Tue 18/04/23 07:00	Tue 18/04/23 09:00	4457	M Ramosomana,M Kene
4459			Carry Out Gas Test	0.5 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:30	4458	Lab
4460			Remove Scrubber Rachet Rings	20 hrs	Tue 18/04/23 09:30	Wed 19/04/23 05:30	4459	Operations
4461			Replace Rachet Rings	14 hrs	Wed 19/04/23 05:30	Wed 19/04/23 19:30	4460	Operations
4462			Clear Permits	0.25 hrs	Wed 19/04/23 19:30	Wed 19/04/23 19:45	4461	Operations
4463			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 08:00**	**Wed 19/04/23 08:00**	**4416**	
4464			Maintenance jobs commence	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		
4465			**MECHANICAL**	**226 hrs?**	**Wed 19/04/23 08:00**	**Wed 10/05/23 14:00**	**4463**	
4466		**29A2GR01**	**# A CALCINER - Replace outlet and rotate inlet trunnion rollers**	**71.75 hrs**	**Wed 19/04/23 08:00**	**Tue 25/04/23 17:15**		
4467			Make out permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
4468			Accept permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4467	M Ramosomana,M Kene
4469			Carry out risk assesment	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	4468	M Ramosomana,M Kene
4470			Disconnect all lube pipes,mark and blank them	0.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:15	4469	M Ramosomana,M Kene
4471			Mark and remove guards	0.25 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:30	4470	M Ramosomana,M Kene
4472			Clean old grease from grease tray	24 hrs	Wed 19/04/23 09:30	Fri 21/04/23 13:00	4471	M Ramosomana,M Kene
4473			Position the jack holders,jacks and pads,then secure in place	0.5 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:30	4472	M Ramosomana,M Kene
4474			Lift calciner with 100T jacks	0.25 hrs	Fri 21/04/23 13:30	Fri 21/04/23 13:45	4473	Calc-FT2,Ash(rig),Scal Ft2
4475			Lift the roller frame using the adjusting bolts	0.25 hrs	Fri 21/04/23 13:45	Fri 21/04/23 14:00	4474	Calc-FT2,Ash(rig),Scal Ft2
4476			Remove the support for the pin	6 hrs	Fri 21/04/23 14:00	Sat 22/04/23 09:00	4475	M Ramosomana,M Kene
4477			Slide the craddle in position and attach the roller frame to it	6 hrs	Sat 22/04/23 09:00	Sat 22/04/23 15:30	4476	M Ramosomana,M Kene
4478			Support the craddle using the spreader beam	6 hrs	Sat 22/04/23 15:30	Sun 23/04/23 10:30	4477	M Ramosomana,M Kene
4479			Remove the pin locking device(clamp)	6 hrs	Sun 23/04/23 10:30	Sun 23/04/23 17:00	4478	M Ramosomana,M Kene
4480			Loosen the adjusting bolts to create the gap between the tyre and roller	0.5 hrs	Sun 23/04/23 17:00	Sun 23/04/23 17:30	4479	M Ramosomana,M Kene
4481			Anchor the chain block and support the pin,then remove the pin	0.5 hrs	Sun 23/04/23 17:30	Sun 23/04/23 18:00	4480	M Ramosomana,M Kene
4482			Lift the craddle to remove the roller frame and place it on a suitable pla	4.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 11:15	4481	Calc-FT2,Ash(rig),Scal Ft2
4483			Remove the holding down clamps and a locking plate	0.25 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:30	4482	M Ramosomana,M Kene
4484			Lift the roller and remove it	0.25 hrs	Mon 24/04/23 11:30	Mon 24/04/23 11:45	4483	Calc-FT2,Ash(rig),Scal Ft2
4485			Clean thoroughly,inspect the housing for wear and debur accordinly	0.75 hrs	Mon 24/04/23 11:45	Mon 24/04/23 13:00	4484	M Ramosomana,M Kene
4486			Clean the new roller and prepare for assembling	0.75 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:45	4485	M Ramosomana,M Kene
4487			Lift the new rollers and position them such that flat spot is aligned with the frame	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	4486	Calc-FT2,Ash(rig),Scal Ft2
4488			Replace the holding down clamps and lock them	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	4487	M Ramosomana,M Kene
4489			Lift the craddle,slide it in position and align the holes(pin hole)	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30	4488	Calc-FT2,Ash(rig),Scal Ft2
4490			Position the pin bushes in the housing	2 hrs	Mon 24/04/23 14:30	Mon 24/04/23 16:30	4489	M Ramosomana,M Kene
4491			Anchor the chain block and support the pin.	2 hrs	Mon 24/04/23 16:30	Tue 25/04/23 07:30	4490	M Ramosomana,M Kene
4492			Align the pin with holes and slide it into position and lock it	0.25 hrs	Tue 25/04/23 07:30	Tue 25/04/23 07:45	4491	M Ramosomana,M Kene
4493			Remove the chain block,hoist down the cradle and remove the spreader beam	4 hrs	Tue 25/04/23 07:45	Tue 25/04/23 11:45	4492	M Ramosomana,M Kene
4494			Install pin support frame,then adjust it to the correct position and secur	0.25 hrs	Tue 25/04/23 11:45	Tue 25/04/23 12:00	4493	M Ramosomana,M Kene
4495			Carefully lower the calciner and remove the pads	1 hr	Tue 25/04/23 12:30	Tue 25/04/23 13:30	4494	M Ramosomana,M Kene
4496			Remove the jacks and holders,then scew back the bolts in position	0.5 hrs	Tue 25/04/23 13:30	Tue 25/04/23 14:00	4495	M Ramosomana,M Kene
4497			Replace guards and secure them	0.5 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:30	4496	M Ramosomana,M Kene
4498			Re connect lube oil pipes	1.5 hrs	Tue 25/04/23 14:30	Tue 25/04/23 16:00	4497	M Ramosomana,M Kene
4499			Carry out house keeping	1 hr	Tue 25/04/23 16:00	Tue 25/04/23 17:00	4498	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4500			Clear the permit	0.25 hrs	Tue 25/04/23 17:00	Tue 25/04/23 17:15	4499	M Ramosomana,M Kene
4501		**29A2GR01**	**# A CALCINER - Inspect and replace inlet & outlet Deva Segments & Wear Plates**	**95.75 hrs**	**Wed 19/04/23 08:00**	**Fri 28/04/23 09:15**		
4502			Erect Platform At The Inlet End (Prior)	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		G Moeseraela,T Moloi,K Gabantogele
4503			Make out permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	4502	Operations
4504			Conduct risk accessment	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4503	M Ramosomana,M Kene
4505			Cut Out Bolts On Inlet End	8 hrs	Wed 19/04/23 08:30	Wed 19/04/23 17:00	4504	M Ramatlhakeng,S Monna
4506			Remove And Replace Deva Segments Inlet End	12 hrs	Wed 19/04/23 17:00	Fri 21/04/23 07:30	4505	M Ramosomana,M Kene
4507			Replace Wear Plates Inlet End	12 hrs	Fri 21/04/23 07:30	Sat 22/04/23 09:00	4506	M Ramosomana,M Kene
4508			Replace PTFE Segments	12 hrs	Sat 22/04/23 09:00	Sun 23/04/23 10:30	4507	M Ramosomana,M Kene
4509			Cut Off Bolts On Discharge End (Stainless Steel)	3 hrs	Sun 23/04/23 10:30	Sun 23/04/23 14:00	4508	M Ramatlhakeng,S Monna
4510			Remove And Replace Inner Deva Segments Discharge End	12 hrs	Sun 23/04/23 14:00	Mon 24/04/23 15:30	4509	M Ramosomana,M Kene
4511			Remove And Replace Inner Wear Plates Discharge End	12 hrs	Mon 24/04/23 15:30	Tue 25/04/23 17:00	4510	M Ramosomana,M Kene
4512			Remove And Replace Outer Deva Segments Discharge End	12 hrs	Tue 25/04/23 17:00	Thu 27/04/23 07:30	4511	M Ramosomana,M Kene
4513			Remove And Replace Outer Wear Plates Discharge End	12 hrs	Thu 27/04/23 07:30	Fri 28/04/23 09:00	4512	M Ramosomana,M Kene
4514			Clear Permit	0.25 hrs	Fri 28/04/23 09:00	Fri 28/04/23 09:15	4513	M Ramosomana,M Kene
4515		**29A2RM01**	**# A BICARBONATE STAR FEEDER - Remove And Overhaul**	**36.25 hrs**	**Tue 25/04/23 17:15**	**Sat 29/04/23 11:00**	**4466**	
4516			Make Out Permit	0.25 hrs	Tue 25/04/23 17:15	Tue 25/04/23 17:30		Operations
4517			Accept Permit	0.25 hrs	Tue 25/04/23 17:30	Tue 25/04/23 17:45	4516	M Ramosomana,M Kene
4518			Carry Out Risk Assessment	0.25 hrs	Tue 25/04/23 17:45	Tue 25/04/23 18:00	4517	Calc-FT5,Rig (Ash) 5,Scal Ft5,Operations
4519			Isolate And Lock Out	0.25 hrs	Tue 25/04/23 18:00	Tue 25/04/23 18:15	4518	Operations
4520			Remove The Geared Unit	1 hr	Wed 26/04/23 07:00	Wed 26/04/23 08:00	4519	Calc-FT5,Rig (Ash) 5,Scal Ft5
4521			Remove All Mounting Bolts	1 hr	Wed 26/04/23 08:00	Wed 26/04/23 09:00	4520	M Ramosomana,M Kene
4522			Rig Out The Star Feeder	2 hrs	Wed 26/04/23 09:00	Wed 26/04/23 11:00	4521	G Moeseraela,T Moloi,K Gabantogele
4523			Transport To The Workshop	0.5 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:30	4522	Scal Ft5,Calc-FT5,Rig (Ash) 5
4524			Overhaul The Star Feeder	24 hrs	Wed 26/04/23 11:30	Fri 28/04/23 15:00	4523	M Ramosomana,M Kene
4525			Transport To The Plant For Installation	0.5 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:30	4524	Calc-FT5,Rig (Ash) 5,Scal Ft5
4526			Install And Secure The Star Feeder And Ancillaries	6 hrs	Fri 28/04/23 15:30	Sat 29/04/23 10:30	4525	Calc-FT5,Rig (Ash) 5,Scal Ft5
4527			Carry Out House Keeping	0.25 hrs	Sat 29/04/23 10:30	Sat 29/04/23 10:45	4526	Elec (Ash),Rig (Ash) 5[67%],Calc-FT7
4528			Clear Permit	0.25 hrs	Sat 29/04/23 10:45	Sat 29/04/23 11:00	4527	M Ramosomana,M Kene
4529		**29A2GL01**	**# A DOUBLE SHAFT MIXER - Carry Out Inspection on screws**	**36.25 hrs**	**Wed 19/04/23 08:00**	**Sat 22/04/23 13:15**		
4530			Make Out Permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
4531			Accept Permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4530	M Ramosomana,M Kene
4532			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	4531	M Ramosomana,M Kene
4533			Open The Manhole Cover	0.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:15	4532	M Ramosomana,M Kene
4534			Perform Gas Test	0.25 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:30	4533	Lab
4535			Enter And Inspect The Screw For Craks,Physical Damage And Deformation(Crack Test To Be Done Using The Dye Penetrant Method)	2 hrs	Wed 19/04/23 09:30	Wed 19/04/23 11:30	4534	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
4536			Check If All Bolts Are In A Proper Position And Not Worn Out Or Brocken(Paddles,Flange And Pedestal Mouting Bolts)	3 hrs	Wed 19/04/23 11:30	Wed 19/04/23 15:00	4535	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
4537			Check Deva Bearings For Physical Damage,Wear And Change If Necessar	2 hrs	Wed 19/04/23 15:00	Wed 19/04/23 17:00	4536	M Ramosomana,M Kene
4538			Confirm Clearances Between The Journal And The Bearing(0.5Mm)	2 hrs	Wed 19/04/23 17:00	Thu 20/04/23 08:00	4537	M Ramosomana,M Kene
4539			Disconnect Lube Pipes And Check Pipes For Blockages	2 hrs	Thu 20/04/23 08:00	Thu 20/04/23 10:00	4538	M Ramosomana,M Kene
4540			Clean The Oil Gallery And Blow With Compressed Air	0.5 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:30	4539	M Ramosomana,M Kene
4541			Connect The Manual Pump To The Supply Port	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	4540	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4542			Pump Oil Manually And Check If It Flows Out From The Other End,Then Reconnect The Pipes And Pump Again To See If It Will Flow Through The Bearing Hole	2 hrs	Thu 20/04/23 10:45	Thu 20/04/23 13:15	4541	M Ramosomana,M Kene
4543			Normalize And Box Up If Ok Or Continue As Follows	1 hr	Thu 20/04/23 13:15	Thu 20/04/23 14:15	4542	M Ramosomana,M Kene
4544			Secure The Shafts Using Chain Block	0.5 hrs	Thu 20/04/23 14:15	Thu 20/04/23 14:45	4543	Rig (Ash) 5,Scal Ft4,M Ramosomana,M Kene
4545			Cut The Securing Bolts And Remove The Bottom Shell(Intermediate Shaf	3 hrs	Thu 20/04/23 14:45	Thu 20/04/23 17:45	4544	Calc-FT8,G Moeseraela,T Moloi,M Ramatlhakeng,S Mo
4546			Lower The Shaft To Enable Easy Removal Of The Top Bearing Halves	2 hrs	Thu 20/04/23 17:45	Fri 21/04/23 08:45	4545	M Ramosomana,M Kene
4547			Install New Bearing Halves(Top Bearing)	2 hrs	Fri 21/04/23 08:45	Fri 21/04/23 10:45	4546	M Ramosomana,M Kene
4548			Lift The Shaft(Care Should Be Taken Not To Break The Top Bearing Half.Allow For A 1Mm Clearance	0.5 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:15	4547	M Ramosomana,M Kene
4549			Position The Bearing Halves On The Bottom Shell And Align Oil Galleries And Mount It,Then Secure With Bolts And Nuts	1 hr	Fri 21/04/23 11:15	Fri 21/04/23 12:45	4548	M Ramosomana,M Kene
4550			Place A 3Mm Shim Between The Shells And Secure Accordingly	1 hr	Fri 21/04/23 12:45	Fri 21/04/23 13:45	4549	M Ramosomana,M Kene
4551			Support The Screw To Allow Easy Removal Of The Inner Bearing	0.5 hrs	Fri 21/04/23 13:45	Fri 21/04/23 14:15	4550	M Ramosomana,M Kene
4552			Disconnect Lube Pipe,Cut The Bolts And Remove Bearing Assembly	2 hrs	Fri 21/04/23 14:15	Fri 21/04/23 16:15	4551	M Ramosomana,M Kene,G Moeseraela,T Moloi,M Ra
4553			Inspect The Stub,Remove And Recondition If Worn Out	2 hrs	Fri 21/04/23 16:15	Sat 22/04/23 07:15	4552	M Ramosomana,M Kene,G Moeseraela,T Moloi,M Ra
4554			Loosen The Locking Bolt And Remove The Deva Brng From Housing	1 hr	Sat 22/04/23 07:15	Sat 22/04/23 08:15	4553	M Ramosomana,M Kene
4555			Install Pedestal,New Deva Bearing And Secure	1 hr	Sat 22/04/23 08:15	Sat 22/04/23 09:15	4554	M Ramosomana,M Kene
4556			Repeat Step 11,12 & 13 And Connect Lube Pipes	1 hr	Sat 22/04/23 09:15	Sat 22/04/23 10:15	4555	M Ramosomana,M Kene
4557			Weld All Nuts To Lock Them	1 hr	Sat 22/04/23 10:15	Sat 22/04/23 11:15	4556	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
4558			Carry Out Housekeeping And Sign Off The Permit	0.5 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:45	4557	M Ramosomana,M Kene
4559			Obtain The Test Run Permit,Run And Oberve All Parameters	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	4558	M Ramosomana,M Kene
4560			Stop And Box Up The Covers,Then Sign Off The Test Permit	0.5 hrs	Sat 22/04/23 12:30	Sat 22/04/23 13:00	4559	M Ramosomana,M Kene
4561			Clear The Permit	0.25 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:15	4560	M Ramosomana,M Kene
4562		**29A2GL01**	**# A DOUBLE SHAFT MIXER - Weld Housing And Inspect Deva Bearings**	**124.75 hrs**	**Wed 19/04/23 08:00**	**Sun 30/04/23 17:45**		
4563			Prepare replacement patches prior	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		Fab Wshop
4564			Make Out Permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	4563	Operations
4565			Accept Permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4564	M Ramosomana,M Kene
4566			Carry out risk assesment	0.5 hrs	Wed 19/04/23 08:30	Wed 19/04/23 09:00	4565	M Ramosomana,M Kene
4567			Remove guards	0.25 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:15	4566	M Ramosomana,M Kene
4568			Remove Vee belts	0.25 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:30	4567	M Ramosomana,M Kene
4569			Undo gearbox mounting bolts	2.5 hrs	Wed 19/04/23 09:30	Wed 19/04/23 12:00	4568	M Ramosomana,M Kene
4570			Cut coupling bolts	0.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 13:00	4569	Weld (Ash)
4571			Rig out gearbox	2.5 hrs	Wed 19/04/23 13:00	Wed 19/04/23 15:30	4570	Rig (Ash) 5,Crane
4572			Remove the coupling from shafts	5 hrs	Wed 19/04/23 15:30	Thu 20/04/23 09:30	4571	M Ramosomana,M Kene,Ramatlhakeng
4573			Remove bearings	1.5 hrs	Thu 20/04/23 09:30	Thu 20/04/23 11:00	4572	M Ramosomana,M Kene
4574			Undo side cover bolts	1.5 hrs	Thu 20/04/23 11:00	Thu 20/04/23 13:00	4573	M Ramosomana,M Kene
4575			Rig out the side cover	1.5 hrs	Thu 20/04/23 13:00	Thu 20/04/23 14:30	4574	Rig (Ash) 5,Crane
4576			Rig out the shafts	6 hrs	Thu 20/04/23 14:30	Fri 21/04/23 09:30	4575	Rig (Ash) 5,Crane
4577			Remove lagging	1.5 hrs	Fri 21/04/23 09:30	Fri 21/04/23 11:00	4576	M Ramosomana,M Kene
4578			Secure the bottom casing with chain blocks	2 hrs	Fri 21/04/23 11:00	Fri 21/04/23 13:30	4577	Rig (Ash) 5
4579			Cut off the bottom half casing	6 hrs	Fri 21/04/23 13:30	Sat 22/04/23 08:30	4578	Ramatlhakeng
4580			Rig out worn out half casing	4 hrs	Sat 22/04/23 08:30	Sat 22/04/23 13:00	4579	Rig (Ash) 5,Crane
4581			Rig in replacement half patch	4 hrs	Sat 22/04/23 13:00	Sat 22/04/23 17:00	4580	Rig (Ash) 5,Crane
4582			Align and tack weld	1 hr	Sat 22/04/23 17:00	Sat 22/04/23 18:00	4581	Ramatlhakeng

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4583			Cut off the second bottom half casing	6 hrs	Sun 23/04/23 07:00	Sun 23/04/23 13:30	4582	Ramatlhakeng
4584			Rig out worn out half casing	4 hrs	Sun 23/04/23 13:30	Sun 23/04/23 17:30	4583	Rig (Ash) 5,Crane
4585			Rig in replacement half patch	4 hrs	Sun 23/04/23 17:30	Mon 24/04/23 10:30	4584	Rig (Ash) 5,Crane
4586			Align and tack weld	1 hr	Mon 24/04/23 10:30	Mon 24/04/23 11:30	4585	Ramatlhakeng
4587			Full welding	48 hrs	Mon 24/04/23 11:30	Fri 28/04/23 18:00	4586	Ramatlhakeng
4588			Test welds	1 hr	Sat 29/04/23 07:00	Sat 29/04/23 08:00	4587	Inspector
4589			Rig in the shafts	6 hrs	Sat 29/04/23 08:00	Sat 29/04/23 14:30	4588	Rig (Ash) 5,Crane
4590			Install side cover	2 hrs	Sat 29/04/23 14:30	Sat 29/04/23 16:30	4589	M Ramosomana,M Kene
4591			Install bearings	2 hrs	Sat 29/04/23 16:30	Sun 30/04/23 07:30	4590	M Ramosomana,M Kene
4592			Install couplings	4 hrs	Sun 30/04/23 07:30	Sun 30/04/23 11:30	4591	M Ramosomana,M Kene
4593			Rig in gearbox	2 hrs	Sun 30/04/23 11:30	Sun 30/04/23 14:00	4592	Rig (Ash) 5,Crane
4594			Couple gearbox with shafts	1 hr	Sun 30/04/23 14:00	Sun 30/04/23 15:00	4593	M Ramosomana,M Kene
4595			Install vee belts	0.5 hrs	Sun 30/04/23 15:00	Sun 30/04/23 15:30	4594	M Ramosomana,M Kene
4596			Install guards	0.5 hrs	Sun 30/04/23 15:30	Sun 30/04/23 16:00	4595	M Ramosomana,M Kene
4597			Housekeeping	1 hr	Sun 30/04/23 16:00	Sun 30/04/23 17:00	4596	M Ramosomana,M Kene,Ramatlhakeng
4598			Clear permit	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15	4597	M Ramosomana,M Kene,Ramatlhakeng
4599			Obtain test run permit	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30	4598	M Ramosomana,M Kene
4600			Clear Permit	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45	4599	M Ramosomana,M Kene
4601		**29A2GL01**	**# A DOUBLE SHAFT MIXER - Replace couplings**	**33.5 hrs**	**Sat 22/04/23 13:15**	**Tue 25/04/23 15:15**	**4529**	
4602			Make out permit	33.5 hrs	Sat 22/04/23 13:15	Sun 23/04/23 22:45		Operations
4603			Accept permit	0.25 hrs	Sat 22/04/23 13:15	Sat 22/04/23 13:30		M Ramosomana,M Kene
4604			Remove guard	0.5 hrs	Sat 22/04/23 13:30	Sat 22/04/23 14:00	4603	M Ramosomana,M Kene
4605			Uncouple motor/gearbox	1.5 hrs	Sat 22/04/23 14:00	Sat 22/04/23 15:30	4604	M Ramosomana,M Kene
4606			Remove gearbox mounting bolts	2 hrs	Sat 22/04/23 15:30	Sat 22/04/23 17:30	4605	Lab
4607			Remove output shaft coupling bolts	3 hrs	Sat 22/04/23 17:30	Sun 23/04/23 09:30	4606	Calc-FT6,M Ramatlhakeng,S Monna
4608			Rig out gearbox	2 hrs	Sun 23/04/23 09:30	Sun 23/04/23 11:30	4607	Calc-FT9,Scal Ft9,G Moeseraela,T Moloi
4609			Cut coupling bolts	2 hrs	Sun 23/04/23 11:30	Sun 23/04/23 14:00	4608	M Ramosomana,M Kene
4610			Remove half coupling	4 hrs	Sun 23/04/23 14:00	Sun 23/04/23 18:00	4609	M Ramosomana,M Kene
4611			Clean shafts	1.5 hrs	Mon 24/04/23 07:00	Mon 24/04/23 08:30	4610	M Ramosomana,M Kene
4612			Fit couplings onto the screws and gearbox	6 hrs	Mon 24/04/23 08:30	Mon 24/04/23 15:00	4611	M Ramosomana,M Kene
4613			Rig in and Re-mount gearbox	2 hrs	Mon 24/04/23 15:00	Mon 24/04/23 17:00	4612	Scal Ft9,Calc-FT9,G Moeseraela,T Moloi,K Gabantogel
4614			Couple gearbox and screws	4 hrs	Mon 24/04/23 17:00	Tue 25/04/23 10:00	4613	M Ramosomana,M Kene
4615			Couple gearbox / motor	2 hrs	Tue 25/04/23 10:00	Tue 25/04/23 12:00	4614	M Ramosomana,M Kene,G Moeseraela,T Moloi,M Ra
4616			Check alignment	1 hr	Tue 25/04/23 12:30	Tue 25/04/23 13:30	4615	M Ramosomana,M Kene
4617			Test run	0.5 hrs	Tue 25/04/23 13:30	Tue 25/04/23 14:00	4616	M Ramosomana,M Kene
4618			Replace guard	1 hr	Tue 25/04/23 14:00	Tue 25/04/23 15:00	4617	M Ramosomana,M Kene
4619			Clear permit	0.25 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:15	4618	M Ramosomana,M Kene
4620		**29A2GL01**	**# A DOUBLE SHAFT MIXER - Drain, flush gearbox oil and replace vee belts**	**26.75 hrs**	**Tue 25/04/23 15:15**	**Fri 28/04/23 10:00**	**4601**	
4621			Clean (prior)	0 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:15		Operations
4622			Make out permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30	4621	Operations
4623			Accept permit	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	4622	M Ramosomana,M Kene
4624			Carry out risk assement	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	4623	M Ramosomana,M Kene
4625			Open inspection covers	1 hr	Tue 25/04/23 16:00	Tue 25/04/23 17:00	4624	Calc-FT2,Rig (Ash) 5,Scal Ft2
4626			Inspect gears	0.5 hrs	Tue 25/04/23 17:00	Tue 25/04/23 17:30	4625	M Ramosomana,M Kene
4627			If not in good condion,	0 hrs	Tue 25/04/23 17:30	Tue 25/04/23 17:30	4626	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4628			Strip gearbox	10 hrs	Tue 25/04/23 17:30	Wed 26/04/23 17:00	4627	M Ramosomana,M Kene
4629			Replace worn out parts	10 hrs	Wed 26/04/23 17:00	Thu 27/04/23 16:30	4628	M Ramosomana,M Kene
4630			Drain oil and refill	1 hr	Thu 27/04/23 16:30	Thu 27/04/23 17:30	4629	M Ramosomana,M Kene
4631			Inspect output shaft bearings	1 hr	Thu 27/04/23 17:30	Fri 28/04/23 07:30	4630	M Ramosomana,M Kene
4632			Inspect v-belts & replace if necessary	1 hr	Fri 28/04/23 07:30	Fri 28/04/23 08:30	4631	M Ramosomana,M Kene
4633			Replace v-belt guards	1 hr	Fri 28/04/23 08:30	Fri 28/04/23 09:30	4632	Calc-FT2,Rig (Ash) 5,Scal Ft2,M-Crane 7Ton
4634			House keeping	0.25 hrs	Fri 28/04/23 09:30	Fri 28/04/23 09:45	4633	M Ramosomana,M Kene
4635			Clear permit	0.25 hrs	Fri 28/04/23 09:45	Fri 28/04/23 10:00	4634	Operations
4636		**29A2GR01**	**# A CALCINER - Statutory Inspection**	**52 hrs**	**Wed 19/04/23 08:00**	**Mon 24/04/23 07:30**		
4637			Calibrate & Supply 2 Off Gauges (Prior)	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		Inst (Ash)1
4638			Make Out Permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	4637	Operations
4639			Accept Permit	0.5 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:45	4638	M Ramosomana,M Kene
4640			Carry out X-ray test	4 hrs	Wed 19/04/23 08:45	Wed 19/04/23 13:15	4639	Contractor
4641			Slipplate Isolating Valves & Condensate Tank	3 hrs	Wed 19/04/23 13:15	Wed 19/04/23 16:15	4640	M Ramosomana,M Kene
4642			Open Manhole On Condensate Tank	2 hrs	Wed 19/04/23 16:15	Thu 20/04/23 07:15	4641	M Ramosomana,M Kene
4643			Carry Out Inspection	1 hr	Thu 20/04/23 07:15	Thu 20/04/23 08:15	4642	Inspector
4644			Box Up Manhole	2 hrs	Thu 20/04/23 08:15	Thu 20/04/23 10:15	4643	M Ramosomana,M Kene
4645			Remove Pipes & Valves On Tank	4 hrs	Thu 20/04/23 10:15	Thu 20/04/23 14:45	4644	M Ramosomana,M Kene
4646			Blank Off All Outlets	2 hrs	Thu 20/04/23 14:45	Thu 20/04/23 16:45	4645	M Ramosomana,M Kene
4647			Install 2 Off Pressure Gauges	2 hrs	Thu 20/04/23 16:45	Fri 21/04/23 07:45	4646	M Ramosomana,M Kene
4648			Install Valve & Fittings For Fire Hydrant	2 hrs	Fri 21/04/23 07:45	Fri 21/04/23 09:45	4647	M Ramosomana,M Kene
4649			Fill Up With Hydrant To Pressure (6 Bar)	6 hrs	Fri 21/04/23 09:45	Fri 21/04/23 16:15	4648	M Ramosomana,M Kene
4650			Connect Up High Pressure Pump	2 hrs	Fri 21/04/23 16:15	Sat 22/04/23 07:15	4649	M Ramosomana,M Kene
4651			Pump To Pressure 32.5Bar	6 hrs	Sat 22/04/23 07:15	Sat 22/04/23 13:45	4650	M Ramosomana,M Kene
4652			Witness & Check For Leaks	1 hr	Sat 22/04/23 13:45	Sat 22/04/23 14:45	4651	Inspector
4653			Release Pressure & Drain	6 hrs	Sat 22/04/23 14:45	Sun 23/04/23 09:45	4652	M Ramosomana,M Kene
4654			Remove Blanks, Slipplates & Gauges	3 hrs	Sun 23/04/23 09:45	Sun 23/04/23 13:15	4653	M Ramosomana,M Kene
4655			Install Pipes & Valves On Cond Tank	3 hrs	Sun 23/04/23 13:15	Sun 23/04/23 16:15	4654	M Ramosomana,M Kene
4656			Box Up	2 hrs	Sun 23/04/23 16:15	Mon 24/04/23 07:15	4655	M Ramosomana,M Kene
4657			Clear Permit	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	4656	M Ramosomana,M Kene
4658		**29A2GR01**	**# A CALCINER - Repair Trunnion Roller guards**	**17 hrs**	**Fri 28/04/23 09:15**	**Sat 29/04/23 16:15**	**4501**	
4659			Make out permit	0.25 hrs	Fri 28/04/23 09:15	Fri 28/04/23 09:30		M Ramosomana,M Kene
4660			Accept permit	0.25 hrs	Fri 28/04/23 09:30	Fri 28/04/23 09:45	4659	M Ramosomana,M Kene
4661			Repair/Refurbish guards	10 hrs	Fri 28/04/23 09:45	Sat 29/04/23 09:15	4660	M Ramosomana,M Kene
4662			Curing time	6 hrs	Sat 29/04/23 09:15	Sat 29/04/23 15:45	4661	
4663			House keeping	0.25 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:00	4662	M Ramosomana,M Kene
4664			Clear permit	0.25 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:15	4663	M Ramosomana,M Kene
4665		**29A2GR01**	**# A CALCINER - Replace replace All Calciner Belows (2 off)**	**39 hrs**	**Fri 28/04/23 10:00**	**Mon 01/05/23 18:00**	**4620**	
4666			Make out permt	0.25 hrs	Fri 28/04/23 10:00	Fri 28/04/23 10:15		Operations
4667			Accept permit	0.25 hrs	Fri 28/04/23 10:15	Fri 28/04/23 10:30	4666	M Ramosomana,M Kene
4668			Loosen all bolts	8 hrs	Fri 28/04/23 10:30	Sat 29/04/23 08:00	4667	M Ramosomana,M Kene
4669			Remove old bellow	6 hrs	Sat 29/04/23 08:00	Sat 29/04/23 14:30	4668	M Ramosomana,M Kene
4670			Make holes on new bellow	6 hrs	Sat 29/04/23 14:30	Sun 30/04/23 09:30	4669	M Ramosomana,M Kene
4671			Install new bellow	4 hrs	Sun 30/04/23 09:30	Sun 30/04/23 14:00	4670	M Ramosomana,M Kene
4672			Tighten all bolts	8 hrs	Sun 30/04/23 14:00	Mon 01/05/23 11:00	4671	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4673			Box up	6 hrs	Mon 01/05/23 11:00	Mon 01/05/23 17:30	4672	M Ramosomana,M Kene
4674			House keeping	0.25 hrs	Mon 01/05/23 17:30	Mon 01/05/23 17:45	4673	M Ramosomana,M Kene
4675			Clear permit	0.25 hrs	Mon 01/05/23 17:45	Mon 01/05/23 18:00	4674	M Ramosomana,M Kene
4676		**29A2GR01**	**# A CALCINER - Replace Vent Valves (3 off)**	**7.75 hrs**	**Mon 01/05/23 18:00**	**Tue 02/05/23 15:15**	**4665**	
4677			Make out permit	0.25 hrs	Mon 01/05/23 18:00	Mon 01/05/23 18:15		Operations
4678			Accept permit	0.25 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:15	4677	M Ramosomana,M Kene
4679			Loosen all bolts	2.5 hrs	Tue 02/05/23 07:15	Tue 02/05/23 09:45	4678	M Ramosomana,M Kene
4680			Remove old valves and pipes for modification	1 hr	Tue 02/05/23 09:45	Tue 02/05/23 10:45	4679	M Ramosomana,M Kene
4681			Clean flange faces	1 hr	Tue 02/05/23 10:45	Tue 02/05/23 11:45	4680	M Ramosomana,M Kene
4682			Install new valves and new gasket	1 hr	Tue 02/05/23 11:45	Tue 02/05/23 13:15	4681	M Ramosomana,M Kene
4683			Tighten all bolts	1 hr	Tue 02/05/23 13:15	Tue 02/05/23 14:15	4682	M Ramosomana,M Kene
4684			Box up	0.5 hrs	Tue 02/05/23 14:15	Tue 02/05/23 14:45	4683	M Ramosomana,M Kene
4685			House keeping	0.25 hrs	Tue 02/05/23 14:45	Tue 02/05/23 15:00	4684	M Ramosomana,M Kene
4686			Clear permit	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	4685	M Ramosomana,M Kene
4687		**29A2GR01**	**# A CALCINER - Drain, Flush And Refill Calciner Gear/Pinion Reservoir**	**8.25 hrs**	**Tue 02/05/23 15:15**	**Wed 03/05/23 13:00**	**4676**	
4688			Make Out Permit	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30		Operations
4689			Accept Permit	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45	4688	M Ramosomana,M Kene
4690			Drain, Flush Calciner Gear/Pinion Reservoir	4 hrs	Tue 02/05/23 15:45	Wed 03/05/23 08:45	4689	M Ramosomana,M Kene
4691			Refill With New Oil	0.5 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:15	4690	M Ramosomana,M Kene
4692			Grease Equipment As Required	3 hrs	Wed 03/05/23 09:15	Wed 03/05/23 12:45	4691	M Ramosomana,M Kene
4693			Clear Permit	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	4692	M Ramosomana,M Kene
4694		**29A2GR01**	**# A CALCINER - Overhaul Calciner Air Cylinders**	**42.5 hrs**	**Wed 03/05/23 13:00**	**Sun 07/05/23 13:30**	**4687**	
4695			Make Out Permit	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15		Operations
4696			Accept Permit	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30	4695	M Ramosomana,M Kene
4697			Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	4696	M Ramosomana,M Kene
4698			Close Or Isolate Air To The Cylinders	2 hrs	Wed 03/05/23 13:45	Wed 03/05/23 15:45	4697	M Ramosomana,M Kene
4699			Disconnect The All Air Pipes	4 hrs	Wed 03/05/23 15:45	Thu 04/05/23 08:45	4698	M Ramosomana,M Kene
4700			Remove Anchor Bolts And Cylinders	2 hrs	Thu 04/05/23 08:45	Thu 04/05/23 10:45	4699	M Ramosomana,M Kene
4701			Transport Cylinders To The Workshop	0.5 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:15	4700	M Ramosomana,M Kene
4702			Open, Inspect And Replace Damaged Parts(Piston Rings, Seals And Springs) 8 Off Then Close	20 hrs	Thu 04/05/23 11:15	Sat 06/05/23 10:15	4701	M Ramosomana,M Kene
4703			Transport Cylinders Back To Plant	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	4702	M Ramosomana,M Kene
4704			Reinstall In Position And Secure	8 hrs	Sat 06/05/23 10:45	Sun 07/05/23 08:15	4703	M Ramosomana,M Kene
4705			Connect Air Pipes,Open Air To Cylinders And Check For Leaks	4 hrs	Sun 07/05/23 08:15	Sun 07/05/23 12:45	4704	M Ramosomana,M Kene
4706			Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	4705	M Ramosomana,M Kene
4707			Sign Off The Permit	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	4706	M Ramosomana,M Kene
4708			Clear Permit	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	4707	M Ramosomana,M Kene
4709		**29A2GR01**	**# A CALCINER - Inspect Teeth On The Girth And Pinion Gears And Tyre**	**56.5 hrs**	**Sat 29/04/23 16:15**	**Fri 05/05/23 09:15**	**4658**	
4710			Make Out Permit	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30		Operations
4711			Accept Permit	0.5 hrs	Sat 29/04/23 16:30	Sat 29/04/23 17:00	4710	M Ramosomana,M Kene
4712			Remove Guards	3 hrs	Sat 29/04/23 17:00	Sun 30/04/23 09:00	4711	Calc-FT8,G Moeseraela,T Moloi,K Gabantogele
4713			Clean Grease On Girthgear Teeth And The Tyre	3 hrs	Sun 30/04/23 09:00	Sun 30/04/23 12:00	4712	M Ramosomana,M Kene
4714			Mark The First Teeth,Rotate Calciner And Dress One Teeth After Anothe	24 hrs	Sun 30/04/23 12:30	Tue 02/05/23 15:30	4713	Calc-FT5,Furmanite,Scal Ft5
4715			Simulteneously Dress The Tyre	24 hrs	Tue 02/05/23 15:30	Fri 05/05/23 07:30	4714	Furmanite
4716			Replace Guards	1.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:00	4715	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4717			Clear Permit	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	4716	M Ramosomana,M Kene
4718		**29A2GR01**	**# A CALCINER MAIN DRIVE GEARBOX - Carry Out Inspection And Service**	**38.75 hrs**	**Fri 05/05/23 09:15**	**Mon 08/05/23 17:00**	**4709**	
4719			Clean (prior)	0 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:15		Operations
4720			Make out permit	0.25 hrs	Fri 05/05/23 09:15	Fri 05/05/23 09:30	4719	Operations
4721			Accept permit	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	4720	M Ramosomana,M Kene
4722			Carry out risk assement	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	4721	M Ramosomana,M Kene
4723			Open inspection covers	1 hr	Fri 05/05/23 10:00	Fri 05/05/23 11:00	4722	Calc-FT2,Rig (Ash) 5,Scal Ft2
4724			Drain oil	1 hr	Fri 05/05/23 11:00	Fri 05/05/23 12:00	4723	M Ramosomana,M Kene
4725			Inspect gears	0.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 13:00	4724	M Ramosomana,M Kene
4726			If not in good condion,	0 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:00	4725	M Ramosomana,M Kene
4727			Strip gearbox	12 hrs	Fri 05/05/23 13:00	Sat 06/05/23 14:30	4726	M Ramosomana,M Kene
4728			replace worn out parts	10 hrs	Sat 06/05/23 14:30	Sun 07/05/23 14:00	4727	M Ramosomana,M Kene
4729			Inspect coupling	1 hr	Sun 07/05/23 14:00	Sun 07/05/23 15:00	4728	M Ramosomana,M Kene
4730			replace coupling bushes & pins	3 hrs	Sun 07/05/23 15:00	Sun 07/05/23 18:00	4729	M Ramosomana,M Kene
4731			Inspect output shaft bearings	2 hrs	Mon 08/05/23 07:00	Mon 08/05/23 09:00	4730	M Ramosomana,M Kene
4732			Inspect v-belts and pulleys	2 hrs	Mon 08/05/23 09:00	Mon 08/05/23 11:00	4731	M Ramosomana,M Kene
4733			Possibly replace worn out pulleys and drive belts	3 hrs	Mon 08/05/23 11:00	Mon 08/05/23 14:30	4732	
4734			Replace v-belt guards	1 hr	Mon 08/05/23 14:30	Mon 08/05/23 15:30	4733	Calc-FT2,Rig (Ash) 5,Scal Ft2,M-Crane 7Ton
4735			Refill oil	1 hr	Mon 08/05/23 15:30	Mon 08/05/23 16:30	4734	
4736			House keeping	0.25 hrs	Mon 08/05/23 16:30	Mon 08/05/23 16:45	4735	M Ramosomana,M Kene
4737			Clear permit	0.25 hrs	Mon 08/05/23 16:45	Mon 08/05/23 17:00	4736	Operations
4738		**29A2GR01**	**# A CALCINER (STEAM HEAD) - Overhaul The Steam Head**	**47.25 hrs**	**Mon 24/04/23 07:30**	**Fri 28/04/23 13:15**	**4636**	
4739			Make Out Permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45		Operations
4740			Accept Permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	4739	M Ramosomana,M Kene
4741			Carry Out Risk Assesment	0.5 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:30	4740	Operations,M Ramosomana,M Kene
4742			Isolate And Lock Out	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	4741	Operations
4743			Strip Out Steam Head	7.75 hrs	Mon 24/04/23 08:45	Mon 24/04/23 16:30	4742	Operations,M Ramosomana,M Kene
4744			Rig Out And Transport To Workshop	2 hrs	Mon 24/04/23 16:30	Tue 25/04/23 07:30	4743	7T Truck,M-Crane 30Ton,G Moeseraela,T Moloi,K Gab
4745			Check For Cracks And Repair If Necessary	2 hrs	Tue 25/04/23 07:30	Tue 25/04/23 09:30	4744	M Ramatlhakeng,S Monna
4746			Preheat Weld Area	1 hr	Tue 25/04/23 09:30	Tue 25/04/23 10:30	4745	M Ramatlhakeng,S Monna
4747			Weld Cracks	3 hrs	Tue 25/04/23 10:30	Tue 25/04/23 14:00	4746	Weld (Ash)
4748			Allow For Cooling	1.5 hrs	Tue 25/04/23 14:00	Tue 25/04/23 15:30	4747	M Ramatlhakeng,S Monna
4749			Crack Testing	3 hrs	Tue 25/04/23 15:30	Wed 26/04/23 07:30	4748	M Ramosomana,M Kene
4750			Overhaul The Steam Head	18 hrs	Wed 26/04/23 07:30	Thu 27/04/23 15:30	4749	M Ramosomana,M Kene
4751			Transport To Site	1 hr	Thu 27/04/23 15:30	Thu 27/04/23 16:30	4750	7T Truck,G Moeseraela,T Moloi,K Gabantogele
4752			Install	7 hrs	Thu 27/04/23 16:30	Fri 28/04/23 10:00	4751	Rig (Ash) 5,M-Crane 30Ton,Operations,M Ramosomar
4753			Box Up	2 hrs	Fri 28/04/23 10:00	Fri 28/04/23 12:00	4752	M Ramosomana,M Kene
4754			Carry Out House Keeping	1 hr	Fri 28/04/23 12:00	Fri 28/04/23 13:00	4753	Rig (Ash) 5,Operations,M Ramosomana,M Kene
4755			Clear Permit	0.25 hrs	Fri 28/04/23 13:00	Fri 28/04/23 13:15	4754	M Ramosomana,M Kene
4756		**29A2GR01**	**# A CALCINER - Calciner lagging**	**27.75 hrs**	**Wed 19/04/23 08:00**	**Fri 21/04/23 15:15**		
4757			Make out permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Calc-Ops
4758			Accept permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4757	Lagging Contractor
4759			Remove old lagging	12 hrs	Wed 19/04/23 08:30	Thu 20/04/23 10:00	4758	Lagging Contractor
4760			Install new lagging	12 hrs	Thu 20/04/23 10:00	Fri 21/04/23 11:30	4759	Lagging Contractor
4761			House keeping	3 hrs	Fri 21/04/23 11:30	Fri 21/04/23 15:00	4760	Lagging Contractor

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4762			Clear permit	0.25 hrs	Fri 21/04/23 15:00	Fri 21/04/23 15:15	4761	Lagging Contractor
4763		**29A2RM03**	**# A DISCHARGE STAR FEEDER - Overhaul Feeder**	**25.75 hrs**	**Sat 29/04/23 11:00**	**Mon 01/05/23 16:15**	**4515**	
4764			Make Out Permit	0.25 hrs	Sat 29/04/23 11:00	Sat 29/04/23 11:15		Operations
4765			Accept Permit	0.25 hrs	Sat 29/04/23 11:15	Sat 29/04/23 11:30	4764	M Ramosomana,M Kene
4766			Obtain Ptw	0.25 hrs	Sat 29/04/23 11:30	Sat 29/04/23 11:45	4765	M Ramosomana,M Kene
4767			Isolate And Lock Out	0.25 hrs	Sat 29/04/23 11:45	Sat 29/04/23 12:00	4766	M Ramosomana,M Kene
4768			Carry Out Risk Assesment	0.25 hrs	Sat 29/04/23 12:30	Sat 29/04/23 12:45	4767	M Ramosomana,M Kene
4769			Remove Guard	0.25 hrs	Sat 29/04/23 12:45	Sat 29/04/23 13:00	4768	M Ramosomana,M Kene
4770			Open Side Cover And Inspect Star Feeder	2 hrs	Sat 29/04/23 13:00	Sat 29/04/23 15:00	4769	M-Crane 30Ton,Calc-FT8,G Moeseraela,T Moloi,K Gab
4771			Undo The Feeder Flanges	2 hrs	Sat 29/04/23 15:00	Sat 29/04/23 17:00	4770	M Ramosomana,M Kene
4772			Rig The Feeder Out	2 hrs	Sat 29/04/23 17:00	Sun 30/04/23 08:00	4771	Sthick Ft3,G Moeseraela,T Moloi,K Gabantogele
4773			Wash The Feeder Prior To Transportation To The W/Shop	2.75 hrs	Sun 30/04/23 08:00	Sun 30/04/23 10:45	4772	Calc-FT5,Scal Ft5,Operations[50%]
4774			Strip And Overhaul	8 hrs	Sun 30/04/23 10:45	Mon 01/05/23 08:15	4773	M Ramosomana,M Kene
4775			Assemble And Adjust	2 hrs	Mon 01/05/23 08:15	Mon 01/05/23 10:15	4774	M Ramosomana,M Kene
4776			Transport And Lift Into Position	1 hr	Mon 01/05/23 10:15	Mon 01/05/23 11:15	4775	M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
4777			Install Star Feeder	3 hrs	Mon 01/05/23 11:15	Mon 01/05/23 14:45	4776	M-Crane 30Ton,Calc-FT8,G Moeseraela,T Moloi,K Gab
4778			Box Up	1 hr	Mon 01/05/23 14:45	Mon 01/05/23 15:45	4777	M Ramosomana,M Kene
4779			Clear Permit	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	4778	M Ramosomana,M Kene
4780			Test Run	0.25 hrs	Mon 01/05/23 16:00	Mon 01/05/23 16:15	4779	M Ramosomana,M Kene
4781		**29A2RF01**	**# A DISCHARGE SCREW CONVEYOR - Carry out inspection**	**25.75 hrs**	**Mon 01/05/23 16:15**	**Thu 04/05/23 10:00**	**4763**	
4782			Make Out Permit	0.25 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:30		Operations
4783			Accept Permit	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45	4782	M Ramosomana,M Kene
4784			Remove Old Packings (Labyrinth Seal)	1.5 hrs	Mon 01/05/23 16:45	Tue 02/05/23 07:15	4783	M Ramosomana,M Kene
4785			Remove Screw	6 hrs	Tue 02/05/23 07:15	Tue 02/05/23 13:45	4784	M-Crane 30Ton,M Ramosomana,M Kene,G Moeserae
4786			Inspect And Replace Bellow If Holed	6 hrs	Tue 02/05/23 13:45	Wed 03/05/23 08:45	4785	M Ramosomana,M Kene,M Ramatlhakeng,S Monna
4787			Straighten Bent Flights	2 hrs	Wed 03/05/23 08:45	Wed 03/05/23 10:45	4786	Rig (Ash) 5,M Ramosomana,M Kene,M Ramatlhakeng,
4788			Install Screw	5 hrs	Wed 03/05/23 10:45	Wed 03/05/23 16:15	4787	M-Crane 30Ton,M Ramosomana,M Kene,G Moeserae
4789			Open & Inspect Bearings,Clean Out & Repack	2 hrs	Wed 03/05/23 16:15	Thu 04/05/23 07:15	4788	M Ramosomana,M Kene
4790			Drain Gearbox Oil & Refill	1 hr	Thu 04/05/23 07:15	Thu 04/05/23 08:15	4789	M Ramosomana,M Kene
4791			Install New Packings	1.5 hrs	Thu 04/05/23 08:15	Thu 04/05/23 09:45	4790	M Ramosomana,M Kene
4792			Clear Permit	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	4791	M Ramosomana,M Kene
4793		**29A2RF02**	**# A INCLINE CHAIN TROUGH CONVEYOR - Inspect & Replace Chain**	**53.25 hrs**	**Wed 19/04/23 08:00**	**Mon 24/04/23 08:45**		
4794			Make Out Permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
4795			Accept Permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4794	M Ramosomana,M Kene
4796			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	4795	M Ramosomana,M Kene
4797			Open The Tail End Top Covers	1 hr	Wed 19/04/23 08:45	Wed 19/04/23 09:45	4796	M Ramosomana,M Kene
4798			Install decontamination controls	6 hrs	Wed 19/04/23 09:45	Wed 19/04/23 16:15	4797	Nicholas
4799			Run The Chain Conveyor To Identify Damaged Links And Mark Them	1 hr	Wed 19/04/23 16:15	Wed 19/04/23 17:15	4798	Operations,M Ramosomana,M Kene
4800			Position A Section Of The Flights To Be Removed	0.5 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:45	4799	M Ramosomana,M Kene
4801			Isolate The Conveyor And Lock It	0.25 hrs	Wed 19/04/23 17:45	Wed 19/04/23 18:00	4800	Operations
4802			Lift The Counter Weight To Slack The Chain	0.5 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:30	4801	G Moeseraela,T Moloi,K Gabantogele
4803			Perform Crack Test Using Dye Penetrant Method On The Links 0.25/Link X 422	2 hrs	Thu 20/04/23 07:30	Thu 20/04/23 09:30	4802	Reliability
4804			Cut The Pin Coller,Knock Out The Pin And Remove The Link	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	4803	M Ramatlhakeng,S Monna
4805			Position The Link,Insert The Pin And Lock It By Welding	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	4804	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4806		Drop The Counterweight	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	4805	G Moeseraela,T Moloi,K Gabantogele
4807		De Isolate The Chain And Run It To Position The Next Batch Of Links To Be Removed	0.5 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:45	4806	Operations
4808		Repeat Steps,7,8,9,10,11 ,12 And 13 Untill Completion	10.25 hrs	Thu 20/04/23 10:45	Fri 21/04/23 09:15	4807	Operations,M Ramosomana,M Kene,G Moeseraela,T
4809		Apply Sealant And Close The Covers	1 hr	Fri 21/04/23 09:15	Fri 21/04/23 10:15	4808	M Ramosomana,M Kene
4810		Open Tail Plummer Blocks And Clean Old Grease	1 hr	Fri 21/04/23 10:15	Fri 21/04/23 11:15	4809	M Ramosomana,M Kene
4811		Inspect All The Bearings And Pack With Grease Or Change If Necessary	5 hrs	Fri 21/04/23 11:15	Fri 21/04/23 16:45	4810	M Ramosomana,M Kene
4812		Open The Drive End Bearings,Clean,Inspect,Repack And Change If Necessary	2 hrs	Fri 21/04/23 16:45	Sat 22/04/23 07:45	4811	M Ramosomana,M Kene
4813		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:15	4812	M Ramosomana,M Kene
4814		Inspect The Fluid Coupling	0.5 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:45	4813	M Ramosomana,M Kene
4815		Replace Guard	0.5 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:15	4814	M Ramosomana,M Kene
4816		Carry out decontamination protocol	12 hrs	Sat 22/04/23 09:15	Sun 23/04/23 10:45	4815	Nicholas
4817		Remove decontamination controls	6 hrs	Sun 23/04/23 10:45	Sun 23/04/23 17:15	4816	Nicholas
4818		Drain Gear Box And Refill With New Oil To The Correct Level	1.5 hrs	Sun 23/04/23 17:15	Mon 24/04/23 07:45	4817	M Ramosomana,M Kene
4819		Carry Out House Keeping	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	4818	M Ramosomana,M Kene
4820		Clear The Permit	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15	4819	Operations
4821		Test Run And Hand Over	0.5 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:45	4820	Operations,M Ramosomana,M Kene
4822	**29A2RF02**	**# A INCLINE CHAIN TROUGH CONVEYOR - Inspect casing, rails and sprockets**	**67.75 hrs**	**Fri 28/04/23 13:15**	**Thu 04/05/23 18:00**	**4738**	
4823		Erect scaffolding prior	0 hrs	Fri 28/04/23 13:15	Fri 28/04/23 13:15		G Moeseraela,T Moloi
4824		Make out permit	0.25 hrs	Fri 28/04/23 13:15	Fri 28/04/23 13:30	4823	Operations
4825		Accept permit	0.25 hrs	Fri 28/04/23 13:30	Fri 28/04/23 13:45	4824	M Ramosomana,M Kene
4826		Open covers on identified areas	24 hrs	Fri 28/04/23 13:45	Sun 30/04/23 16:45	4825	M Ramosomana,M Kene
4827		Inspect and replace/replace as required	18 hrs	Sun 30/04/23 16:45	Tue 02/05/23 13:45	4826	M Ramosomana,M Kene
4828		Box up covers	24 hrs	Tue 02/05/23 13:45	Thu 04/05/23 16:45	4827	M Ramosomana,M Kene
4829		Carry out housekeeping	1 hr	Thu 04/05/23 16:45	Thu 04/05/23 17:45	4828	M Ramosomana,M Kene
4830		Clear permit	0.25 hrs	Thu 04/05/23 17:45	Thu 04/05/23 18:00	4829	M Ramosomana,M Kene
4831		Dismantle scaffodling	0 hrs	Thu 04/05/23 18:00	Thu 04/05/23 18:00	4830	M Ramosomana,M Kene
4832	**29A2RM02**	**# A RECYCLE SODA ASH STAR FEEDER - Overhaul Feeder**	**35.5 hrs**	**Thu 04/05/23 10:00**	**Sun 07/05/23 14:30**	**4781**	
4833		Make Out Permit	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15		Operations
4834		Accept Permit	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30	4833	M Ramosomana,M Kene
4835		Cleaning The Area & Equipment	1 hr	Thu 04/05/23 10:30	Thu 04/05/23 11:30	4834	Operations
4836		Risk Assesment	0.25 hrs	Thu 04/05/23 11:30	Thu 04/05/23 11:45	4835	M Ramosomana,M Kene
4837		Access Permit	0.25 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:00	4836	M Ramosomana,M Kene
4838		Remove The Guard	0.5 hrs	Thu 04/05/23 12:30	Thu 04/05/23 13:00	4837	M Ramosomana,M Kene
4839		Remove All Bolts	2 hrs	Thu 04/05/23 13:00	Thu 04/05/23 15:00	4838	M Ramosomana,M Kene
4840		Open Side Cover And Inspect Star Feeder	2 hrs	Thu 04/05/23 15:00	Thu 04/05/23 17:00	4839	Calc-FT5,Rig (Ash) 5,Scal Ft5,M-Crane 30Ton
4841		Remove The Star Feeder To The Workshop	3 hrs	Thu 04/05/23 17:00	Fri 05/05/23 09:00	4840	Calc-FT5,Rig (Ash) 5[50%],Scal Ft5
4842		Inspect And Replace Bellow	6 hrs	Fri 05/05/23 09:00	Fri 05/05/23 15:30	4841	M Ramosomana,M Kene
4843		Strip And Overhaul	8 hrs	Fri 05/05/23 15:30	Sat 06/05/23 13:00	4842	M Ramosomana,M Kene
4844		Assemble And Adjust Blades	4 hrs	Sat 06/05/23 13:00	Sat 06/05/23 17:00	4843	M Ramosomana,M Kene
4845		Transport To Plant And Lift Into Position	2 hrs	Sat 06/05/23 17:00	Sun 07/05/23 08:00	4844	M-Crane 30Ton,G Moeseraela,T Moloi,K Gabantogele
4846		Install Star Feeder And Fit Coupling	4 hrs	Sun 07/05/23 08:00	Sun 07/05/23 12:00	4845	Calc-FT5,Rig (Ash) 5,Scal Ft5,M-Crane 30Ton
4847		Install The Guards	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	4846	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4848			Box Up	1.5 hrs	Sun 07/05/23 12:45	Sun 07/05/23 14:15	4847	M Ramosomana,M Kene
4849			Clear Permit	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	4848	M Ramosomana,M Kene
4850		**29A2GK01**	**# A1 CYCLONE CHAIN STIRRER - Carry out inspection**	**4.25 hrs**	**Thu 04/05/23 18:00**	**Fri 05/05/23 11:15**	**4822**	
4851			Clean prior	0 hrs	Thu 04/05/23 18:00	Thu 04/05/23 18:00		Operations
4852			Make out permit	0.25 hrs	Thu 04/05/23 18:00	Thu 04/05/23 18:15	4851	Operations
4853			Accept permit	0.25 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:15	4852	M Ramosomana,M Kene
4854			Carry out risk assessment	0.25 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:30	4853	M Ramosomana,M Kene
4855			Open inspection covers	1 hr	Fri 05/05/23 07:30	Fri 05/05/23 08:30	4854	M Ramosomana,M Kene
4856			Carry out inspection	2 hrs	Fri 05/05/23 08:30	Fri 05/05/23 10:30	4855	M Ramosomana,M Kene
4857			Box up	0.5 hrs	Fri 05/05/23 10:30	Fri 05/05/23 11:00	4856	M Ramosomana,M Kene
4858			Clear permit	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	4857	M Ramosomana,M Kene
4859		**29A2GK02**	**# A2 CYCLONE CHAIN STIRRER - Carry out inspection**	**4 hrs**	**Fri 05/05/23 11:15**	**Fri 05/05/23 15:45**	**4850**	
4860			Clean prior	0 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:15		Operations
4861			Make out permit	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	4860	Operations
4862			Accept permit	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45	4861	M Ramosomana,M Kene
4863			Carry out risk assessment	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	4862	M Ramosomana,M Kene
4864			Open inspection covers	1 hr	Fri 05/05/23 12:30	Fri 05/05/23 13:30	4863	M Ramosomana,M Kene
4865			Carry out inspection	2 hrs	Fri 05/05/23 13:30	Fri 05/05/23 15:30	4864	M Ramosomana,M Kene
4866			Clear permit	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	4865	M Ramosomana,M Kene
4867		**29A2RF05**	**# A DUST COLLECTING SCREWS A LINE- Repair casing**	**133.75 hrs**	**Wed 19/04/23 15:45**	**Tue 02/05/23 13:00**	**5802**	
4868			Make out permit	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00		Operations
4869			Accept permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	4868	M Ramatlhakeng,S Monna
4870			Remove lagging	2 hrs	Wed 19/04/23 16:15	Thu 20/04/23 07:15	4869	M Ramatlhakeng,S Monna
4871			Cut out bolts	2 hrs	Thu 20/04/23 07:15	Thu 20/04/23 09:15	4870	M Ramatlhakeng,S Monna
4872			Rig out casing	3 hrs	Thu 20/04/23 09:15	Thu 20/04/23 12:45	4871	M Ramatlhakeng,S Monna
4873			Transport to Fab Workshop for repairs	0.5 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:15	4872	Crane lorry,G Moeseraela,T Moloi
4874			Screw casing repairs	60 hrs	Tue 25/04/23 12:45	Mon 01/05/23 09:15	4873,5803	Fab Wshop
4875			Transport to plant	0.5 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:45	4874	Crane lorry,G Moeseraela,T Moloi
4876			Install new casing	5 hrs	Mon 01/05/23 09:45	Mon 01/05/23 15:15	4875	M Ramatlhakeng,S Monna
4877			Bolt up	5 hrs	Mon 01/05/23 15:15	Tue 02/05/23 09:15	4876	M Ramatlhakeng,S Monna
4878			Quality check	1 hr	Tue 02/05/23 09:15	Tue 02/05/23 10:15	4877	M Ramatlhakeng,S Monna
4879			Housekeeping	2 hrs	Tue 02/05/23 10:15	Tue 02/05/23 12:45	4878	M Ramatlhakeng,S Monna
4880			Clear permit	0.25 hrs	Tue 02/05/23 12:45	Tue 02/05/23 13:00	4879	M Ramatlhakeng,S Monna
4881		**53C2FB03**	**FLASH TANK - Replace Valves, Reducers And Nozzles**	**44.25 hrs?**	**Thu 20/04/23 12:45**	**Mon 24/04/23 15:00**	**4872**	
4882			Carry out thickness test prior	12 hrs?	Thu 20/04/23 12:45	Fri 21/04/23 14:15		
4883			Make out permit	0.25 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:00		Operations
4884			Accept permit	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	4883	M Ramatlhakeng,S Monna
4885			Open inspection door	2 hrs	Thu 20/04/23 13:15	Thu 20/04/23 15:15	4884	M Ramatlhakeng,S Monna
4886			Carry out gas test	0.5 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:45	4885	M Ramatlhakeng,S Monna
4887			Erect scaffodling internally	4 hrs	Thu 20/04/23 15:45	Fri 21/04/23 08:45	4886	M Ramatlhakeng,S Monna
4888			Carry out thickness test	1 hr	Fri 21/04/23 08:45	Fri 21/04/23 09:45	4887	M Ramatlhakeng,S Monna
4889			Inspect wear plate for pitting and cracks	1 hr	Fri 21/04/23 08:45	Fri 21/04/23 09:45	4888SS	M Ramatlhakeng,S Monna
4890			Carry out repairs as necessary	16 hrs	Fri 21/04/23 09:45	Sat 22/04/23 15:45	4889	M Ramatlhakeng,S Monna
4891			Carry out post-repair inspections	1 hr	Sat 22/04/23 15:45	Sat 22/04/23 16:45	4890	M Ramatlhakeng,S Monna
4892			Dismantle scaffolding and remove from tank	4 hrs	Sat 22/04/23 16:45	Sun 23/04/23 09:45	4891	M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4893			Close manhole cover	2 hrs	Sun 23/04/23 09:45	Sun 23/04/23 11:45	4892	M Ramatlhakeng,S Monna
4894			Loosen valve flange bolts	4 hrs	Sun 23/04/23 11:45	Sun 23/04/23 16:15	4893	M Ramatlhakeng,S Monna
4895			Rig out valves	2 hrs	Sun 23/04/23 16:15	Mon 24/04/23 07:15	4894	M Ramatlhakeng,S Monna
4896			Clean mating surfaces	1 hr	Mon 24/04/23 07:15	Mon 24/04/23 08:15	4895	M Ramatlhakeng,S Monna
4897			Install new valves and gaskets	2 hrs	Mon 24/04/23 08:15	Mon 24/04/23 10:15	4896	M Ramatlhakeng,S Monna
4898			Tighten bolts	3 hrs	Mon 24/04/23 10:15	Mon 24/04/23 13:45	4897	M Ramatlhakeng,S Monna
4899			Housekeeping	1 hr	Mon 24/04/23 13:45	Mon 24/04/23 14:45	4898	M Ramatlhakeng,S Monna
4900			Clear permit	0.25 hrs	Mon 24/04/23 14:45	Mon 24/04/23 15:00	4899	M Ramatlhakeng,S Monna
4901		**53C2FB03**	**FLUSH TANK - Pressure Test**	**31.25 hrs**	**Fri 05/05/23 15:45**	**Mon 08/05/23 15:30**	**4859**	
4902			Remove Lagging (Prior)	0.25 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:00		Operations
4903			Make Out Permit	0.25 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:15	4902	M Ramosomana,M Kene
4904			Accept Permit	0.25 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:30	4903	M Ramosomana,M Kene
4905			Calibrate & Supply Gauge	1 hr	Fri 05/05/23 16:30	Fri 05/05/23 17:30	4904	Inst-Calc2
4906			Open Up Vessel For Inspection	13.5 hrs	Fri 05/05/23 17:30	Sun 07/05/23 09:30	4905	M Ramosomana,M Kene
4907			Perform Gas Test	0.5 hrs	Sun 07/05/23 09:30	Sun 07/05/23 10:00	4906	Lab
4908			Accept Vessel Entry	2 hrs	Sun 07/05/23 10:00	Sun 07/05/23 12:00	4907	Operations
4909			Inspect Vessel And Thickness Test Vessel Wall	2 hrs	Sun 07/05/23 12:30	Sun 07/05/23 14:30	4908	Inspector
4910			Blank Off Vessel And Fill With Water & Pressurise	6 hrs	Sun 07/05/23 14:30	Mon 08/05/23 09:30	4909	M Ramosomana,M Kene
4911			Witness Pressure Test	1 hr	Mon 08/05/23 09:30	Mon 08/05/23 10:30	4910	Inspector
4912			Drain Off And Remove Blanks	4 hrs	Mon 08/05/23 10:30	Mon 08/05/23 15:00	4911	M Ramosomana,M Kene
4913			Box Up Vessel After Installing Deflector Plate	0.25 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:15	4912	M Ramosomana,M Kene
4914			Clear Permits	0.25 hrs	Mon 08/05/23 15:15	Mon 08/05/23 15:30	4913	M Ramosomana,M Kene
4915		**53C2FB03**	**FLUSH TANK - 1St Isolation Valve replace**	**10.75 hrs**	**Mon 08/05/23 15:30**	**Tue 09/05/23 15:45**	**4901**	
4916			Make Out Permit	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45		Operations
4917			Accept Permit	0.25 hrs	Mon 08/05/23 15:45	Mon 08/05/23 16:00	4916	M Ramosomana,M Kene
4918			Loosen Flanges On Old Valve	3 hrs	Mon 08/05/23 16:00	Tue 09/05/23 08:00	4917	M Ramosomana,M Kene
4919			Rig Down Old Valve	1 hr	Tue 09/05/23 08:00	Tue 09/05/23 09:00	4918	G Moeseraela,T Moloi,K Gabantogele
4920			Rig Up New Valve	2 hrs	Tue 09/05/23 09:00	Tue 09/05/23 11:00	4919	Scal Ft11,Calc-FT1,G Moeseraela,T Moloi,K Gabantoge
4921			Install And Fastern Valve In Position	4 hrs	Tue 09/05/23 11:00	Tue 09/05/23 15:30	4920	Montana
4922			Clear Permit	0.25 hrs	Tue 09/05/23 15:30	Tue 09/05/23 15:45	4921	M Ramosomana,M Kene
4923		**53C2FB03**	**MAIN STEAM SAFETY VALVE [AFTER EXTRACTION] - Reset Pressure Relief Valve (Psv)**	**8.75 hrs**	**Tue 09/05/23 15:45**	**Wed 10/05/23 14:00**	**4915**	
4924			Make Out Permit	0.25 hrs	Tue 09/05/23 15:45	Tue 09/05/23 16:00		Operations
4925			Accept Permit	0.25 hrs	Tue 09/05/23 16:00	Tue 09/05/23 16:15	4924	M Ramosomana,M Kene
4926			Remove And Tarnsport Psv To Workshop	2 hrs	Tue 09/05/23 16:15	Wed 10/05/23 07:15	4925	M Ramosomana,M Kene
4927			Overhaul Set To Pressure	4 hrs	Wed 10/05/23 07:15	Wed 10/05/23 11:15	4926	Montana
4928			Transport And Install Psv	2 hrs	Wed 10/05/23 11:15	Wed 10/05/23 13:45	4927	M Ramosomana,M Kene
4929			Clear Permit	0.25 hrs	Wed 10/05/23 13:45	Wed 10/05/23 14:00	4928	M Ramosomana,M Kene
4930			**PLANT STRUCTURE GENERAL - Repair fibreglass pipelines**	**65.5 hrs**	**Wed 19/04/23 08:00**	**Tue 25/04/23 10:30**		
4931			Erect scaffolding prior	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		G Moeseraela,T Moloi,K Gabantogele
4932			Issue permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	4931	Operations
4933			Accept permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	4932	Fitter
4934			Support the pipe to be cut with correct lifting gear	0.5 hrs	Wed 19/04/23 08:30	Wed 19/04/23 09:00	4933	G Moeseraela,T Moloi,K Gabantogele
4935			Measure and cut a section of the pipe to be replaced and remove it using correct lifting gear	10 hrs	Wed 19/04/23 09:00	Thu 20/04/23 08:30	4934	Contractor,M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4936			Install stubs on the cut fibreglass pipes	20 hrs	Thu 20/04/23 08:30	Sat 22/04/23 07:30	4935	Contractor,M Ramosomana,M Kene
4937			Allow them to cure	16 hrs	Sat 22/04/23 07:30	Sun 23/04/23 13:30	4936	Contractor,M Ramosomana,M Kene
4938			Rig a new pipe in stainless steel pipes into position and align with an fibreglass pipe	8 hrs	Sun 23/04/23 13:30	Mon 24/04/23 10:30	4937	G Moeseraela,T Moloi,K Gabantogele
4939			Install gaskets and tighten flanges	8 hrs	Mon 24/04/23 10:30	Tue 25/04/23 08:00	4938	Contractor,M Ramosomana,M Kene
4940			Remove the lifting gear	0.25 hrs	Tue 25/04/23 08:00	Tue 25/04/23 08:15	4939	G Moeseraela,T Moloi,K Gabantogele
4941			Housekeeping	2 hrs	Tue 25/04/23 08:15	Tue 25/04/23 10:15	4940	Fitter,M Ramatlhakeng,S Monna
4942			Clear permit	0.25 hrs	Tue 25/04/23 10:15	Tue 25/04/23 10:30	4941	M Ramosomana,M Kene
4943			**ELECTRICAL**	**130 hrs**	**Fri 21/04/23 16:30**	**Thu 04/05/23 09:30**	**4463**	
4944		**29A2GA01**	**# A CALCINER STEAM HEAD OIL PUMP - Services Motor and Panel Components**	**23 hrs**	**Mon 24/04/23 11:00**	**Wed 26/04/23 13:30**	**3432**	
4945			Make Out Permit	0.25 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:15		Operations
4946			Accept Permit	0.25 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:30	4945	Ash-Elec2,Ash-SSElec2
4947			Services Panel Components And Replace Motor	0.25 hrs	Mon 24/04/23 11:30	Mon 24/04/23 11:45	4946	Ash-Elec2,Ash-SSElec2
4948			Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	4947	Ash-Elec2,Ash-SSElec2
4949			Disconnect and remove motor and send for repairs	2 hrs	Mon 24/04/23 12:30	Mon 24/04/23 14:30	4948	Elec (Ash),Fitter
4950			Wash motor with a water spray	1.5 hrs	Mon 24/04/23 14:30	Mon 24/04/23 16:00	4949	Ash-Elec2,Ash-SSElec2
4951			Dry motor in an oven	6 hrs	Mon 24/04/23 16:00	Tue 25/04/23 11:00	4950	Ash-Elec2,Ash-SSElec2
4952			Paint motor	4 hrs	Tue 25/04/23 11:00	Tue 25/04/23 15:30	4951	Painter 1
4953			Curing time	4 hrs	Tue 25/04/23 15:30	Wed 26/04/23 08:30	4952	
4954			Check Loose Connections In The Panel	0.25 hrs	Wed 26/04/23 08:30	Wed 26/04/23 08:45	4953	Ash-Elec2,Ash-SSElec2
4955			Check Contactor Contacts	0.25 hrs	Wed 26/04/23 08:45	Wed 26/04/23 09:00	4954	Ash-Elec2,Ash-SSElec2
4956			Service Stop/Start	0.5 hrs	Wed 26/04/23 09:00	Wed 26/04/23 09:30	4955	Ash-Elec2,Ash-SSElec2
4957			Install and connect motor	2 hrs	Wed 26/04/23 09:30	Wed 26/04/23 11:30	4956	Elec (Ash),Fitter
4958			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	4957	Ash-Elec2,Ash-SSElec2
4959			Check motor connection	0.5 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:45	4958	Ash-Elec2,Ash-SSElec2
4960			Seal For Moisture And Dust	0.25 hrs	Wed 26/04/23 12:45	Wed 26/04/23 13:00	4959	Ash-Elec2,Ash-SSElec2
4961			Confirm Correct Protection Settings	0.25 hrs	Wed 26/04/23 13:00	Wed 26/04/23 13:15	4960	Ash-Elec2,Ash-SSElec2
4962			Clear Permit	0.25 hrs	Wed 26/04/23 13:15	Wed 26/04/23 13:30	4961	Ash-Elec2,Ash-SSElec2
4963		**29A2GA07**	**# A DOUBLE SHAFT MIXER LUBE PUMP - Services Motor and Panel Components**	**23 hrs**	**Wed 26/04/23 13:30**	**Fri 28/04/23 15:30**	**4944**	
4964			Make Out Permit	0.25 hrs	Wed 26/04/23 13:30	Wed 26/04/23 13:45		Operations
4965			Accept Permit	0.25 hrs	Wed 26/04/23 13:45	Wed 26/04/23 14:00	4964	Ash-Elec2,Ash-SSElec2
4966			Services Panel Components And Replace Motor	0.25 hrs	Wed 26/04/23 14:00	Wed 26/04/23 14:15	4965	Ash-Elec2,Ash-SSElec2
4967			Carry Out Electrical Isolation	0.25 hrs	Wed 26/04/23 14:15	Wed 26/04/23 14:30	4966	Ash-Elec2,Ash-SSElec2
4968			Disconnect and remove motor and send for repairs	2 hrs	Wed 26/04/23 14:30	Wed 26/04/23 16:30	4967	Elec (Ash),Fitter
4969			Wash motor with a water spray	1.5 hrs	Wed 26/04/23 16:30	Wed 26/04/23 18:00	4968	Ash-Elec2,Ash-SSElec2
4970			Dry motor in an oven	6 hrs	Thu 27/04/23 07:00	Thu 27/04/23 13:30	4969	Ash-Elec2,Ash-SSElec2
4971			Paint motor	4 hrs	Thu 27/04/23 13:30	Thu 27/04/23 17:30	4970	Painter 1
4972			Curing time	4 hrs	Thu 27/04/23 17:30	Fri 28/04/23 10:30	4971	
4973			Check Loose Connections In The Panel	0.25 hrs	Fri 28/04/23 10:30	Fri 28/04/23 10:45	4972	Ash-Elec2,Ash-SSElec2
4974			Check Contactor Contacts	0.25 hrs	Fri 28/04/23 10:45	Fri 28/04/23 11:00	4973	Ash-Elec2,Ash-SSElec2
4975			Service Stop/Start	0.5 hrs	Fri 28/04/23 11:00	Fri 28/04/23 11:30	4974	Ash-Elec2,Ash-SSElec2
4976			Install and connect motor	2 hrs	Fri 28/04/23 11:30	Fri 28/04/23 14:00	4975	Elec (Ash),Fitter
4977			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 28/04/23 14:00	Fri 28/04/23 14:15	4976	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
4978			Check motor connection	0.5 hrs	Fri 28/04/23 14:15	Fri 28/04/23 14:45	4977	Ash-Elec2,Ash-SSElec2
4979			Seal For Moisture And Dust	0.25 hrs	Fri 28/04/23 14:45	Fri 28/04/23 15:00	4978	Ash-Elec2,Ash-SSElec2
4980			Confirm Correct Protection Settings	0.25 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:15	4979	Ash-Elec2,Ash-SSElec2
4981			Clear Permit	0.25 hrs	Fri 28/04/23 15:15	Fri 28/04/23 15:30	4980	Ash-Elec2,Ash-SSElec2
4982		**29A2GA03**	**# A2 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**23 hrs**	**Fri 28/04/23 15:30**	**Sun 30/04/23 17:30**	**4963**	
4983			Make Out Permit	0.25 hrs	Fri 28/04/23 15:30	Fri 28/04/23 15:45		Operations
4984			Accept Permit	0.25 hrs	Fri 28/04/23 15:45	Fri 28/04/23 16:00	4983	Ash-Elec2,Ash-SSElec2
4985			Services Panel Components And Replace Motor	0.25 hrs	Fri 28/04/23 16:00	Fri 28/04/23 16:15	4984	Ash-Elec2,Ash-SSElec2
4986			Carry Out Electrical Isolation	0.25 hrs	Fri 28/04/23 16:15	Fri 28/04/23 16:30	4985	Ash-Elec2,Ash-SSElec2
4987			Disconnect and remove motor and send for repairs	2 hrs	Fri 28/04/23 16:30	Sat 29/04/23 07:30	4986	Elec (Ash),Fitter
4988			Wash motor with a water spray	1.5 hrs	Sat 29/04/23 07:30	Sat 29/04/23 09:00	4987	Ash-Elec2,Ash-SSElec2
4989			Dry motor in an oven	6 hrs	Sat 29/04/23 09:00	Sat 29/04/23 15:30	4988	Ash-Elec2,Ash-SSElec2
4990			Paint motor	4 hrs	Sat 29/04/23 15:30	Sun 30/04/23 08:30	4989	Painter 1
4991			Curing time	4 hrs	Sun 30/04/23 08:30	Sun 30/04/23 13:00	4990	
4992			Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 13:00	Sun 30/04/23 13:15	4991	Ash-Elec2,Ash-SSElec2
4993			Check Contactor Contacts	0.25 hrs	Sun 30/04/23 13:15	Sun 30/04/23 13:30	4992	Ash-Elec2,Ash-SSElec2
4994			Service Stop/Start	0.5 hrs	Sun 30/04/23 13:30	Sun 30/04/23 14:00	4993	Ash-Elec2,Ash-SSElec2
4995			Install and connect motor	2 hrs	Sun 30/04/23 14:00	Sun 30/04/23 16:00	4994	Elec (Ash),Fitter
4996			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 30/04/23 16:00	Sun 30/04/23 16:15	4995	Ash-Elec2,Ash-SSElec2
4997			Check motor connection	0.5 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:45	4996	Ash-Elec2,Ash-SSElec2
4998			Seal For Moisture And Dust	0.25 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:00	4997	Ash-Elec2,Ash-SSElec2
4999			Confirm Correct Protection Settings	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15	4998	Ash-Elec2,Ash-SSElec2
5000			Clear Permit	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30	4999	Ash-Elec2,Ash-SSElec2
5001		**29A2GA05**	**# A1 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**23 hrs**	**Sun 30/04/23 17:30**	**Wed 03/05/23 08:30**	**4982**	
5002			Make Out Permit	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45		Operations
5003			Accept Permit	0.25 hrs	Sun 30/04/23 17:45	Sun 30/04/23 18:00	5002	Ash-Elec2,Ash-SSElec2
5004			Disconnect and remove motor and send for repairs	2 hrs	Mon 01/05/23 07:00	Mon 01/05/23 09:00	5003	Elec (Ash),Fitter
5005			Wash motor with a water spray	1.5 hrs	Mon 01/05/23 09:00	Mon 01/05/23 10:30	5004	Ash-Elec2,Ash-SSElec2
5006			Dry motor in an oven	6 hrs	Mon 01/05/23 10:30	Mon 01/05/23 17:00	5005	Ash-Elec2,Ash-SSElec2
5007			Paint motor	4 hrs	Mon 01/05/23 17:00	Tue 02/05/23 10:00	5006	Painter 1
5008			Curing time	4 hrs	Tue 02/05/23 10:00	Tue 02/05/23 14:30	5007	
5009			Services Panel Components And Replace Motor	0.25 hrs	Tue 02/05/23 14:30	Tue 02/05/23 14:45	5008	Ash-Elec2,Ash-SSElec2
5010			Carry Out Electrical Isolation	0.25 hrs	Tue 02/05/23 14:45	Tue 02/05/23 15:00	5009	Ash-Elec2,Ash-SSElec2
5011			Check Loose Connections In The Panel	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	5010	Ash-Elec2,Ash-SSElec2
5012			Check Contactor Contacts	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30	5011	Ash-Elec2,Ash-SSElec2
5013			Service Stop/Start	0.5 hrs	Tue 02/05/23 15:30	Tue 02/05/23 16:00	5012	Ash-Elec2,Ash-SSElec2
5014			Install and connect motor	2 hrs	Tue 02/05/23 16:00	Tue 02/05/23 18:00	5013	Elec (Ash),Fitter
5015			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	5014	Ash-Elec2,Ash-SSElec2
5016			Check motor connection	0.5 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:45	5015	Ash-Elec2,Ash-SSElec2
5017			Seal For Moisture And Dust	0.25 hrs	Wed 03/05/23 07:45	Wed 03/05/23 08:00	5016	Ash-Elec2,Ash-SSElec2
5018			Confirm Correct Protection Settings	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	5017	Ash-Elec2,Ash-SSElec2
5019			Clear Permit	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	5018	Ash-Elec2,Ash-SSElec2
5020		**29A2GR01**	**# A CALCINER - Services Electric Motor And Panel Components**	**6 hrs**	**Fri 21/04/23 16:30**	**Sat 22/04/23 11:30**	**3483**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5021			Make Out Permit	0.25 hrs	Fri 21/04/23 16:30	Fri 21/04/23 16:45		Operations
5022			Accept Permit	0.25 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:00	5021	Ash-Elec3,Ash-SSElec3
5023			B Calciner Main Drive	0.25 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:15	5022	Ash-Elec3,Ash-SSElec3
5024			Services Electric Motor And Panel Components	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	5023	Ash-Elec3,Ash-SSElec3
5025			Carry Out Electrical Isolation	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45	5024	Ash-Elec3,Ash-SSElec3
5026			Check Loose Connections In The Panel	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	5025	Ash-Elec3,Ash-SSElec3
5027			Check Contactor Contacts	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	5026	Ash-Elec3,Ash-SSElec3
5028			Service under speed circuit and relocate junction box	2 hrs	Sat 22/04/23 07:15	Sat 22/04/23 09:15	5027	Ash-Elec3,Ash-SSElec3
5029			Service Main/Auxillary Interlocking Switch	0.25 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:30	5028	Ash-Elec3,Ash-SSElec3
5030			Service Stop/Start	0.25 hrs	Sat 22/04/23 09:30	Sat 22/04/23 09:45	5029	Ash-Elec3,Ash-SSElec3
5031			Check Fan Condition	0.25 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:00	5030	Ash-Elec3,Ash-SSElec3
5032			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:15	5031	Ash-Elec3,Ash-SSElec3
5033			Tighten Motor Connections& Gland Intergrity	0.5 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:45	5032	Ash-Elec3,Ash-SSElec3
5034			Seal For Moisture And Dust	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	5033	Ash-Elec3,Ash-SSElec3
5035			Confirm Correct Protection Settings	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	5034	Ash-Elec3,Ash-SSElec3
5036			Clear Permit	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30	5035	Ash-Elec3,Ash-SSElec3
5037		**29A2GR01**	**#A CALCINER CO2 GAS COMPRESSOR - Carry out electrical maintenance**	**15 hrs**	**Sat 22/04/23 11:30**	**Sun 23/04/23 16:30**	**5020**	
5038			Make out permit	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45		Operations
5039			Accept permit	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	5038	Ash-Elec3,Ash-SSElec3
5040			Carry out electrical isolation	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	5039	Ash-Elec3,Ash-SSElec3
5041			Service control panels	1 hr	Sat 22/04/23 12:45	Sat 22/04/23 13:45	5040	Ash-Elec3,Ash-SSElec3
5042			Clean water dust filters and air vents	4 hrs	Sat 22/04/23 13:45	Sat 22/04/23 17:45	5041	Ash-Elec3,Ash-SSElec3,Calc-SSFT9,CCalc-FT9,G Moese
5043			Check motor fan condition	4 hrs	Sat 22/04/23 17:45	Sun 23/04/23 10:45	5042	Ash-Elec3,Ash-SSElec3
5044			Service Auxiliary drives	3 hrs	Sun 23/04/23 10:45	Sun 23/04/23 14:15	5043	Ash-Elec3,Ash-SSElec3
5045			Reinstate winding temperature monitor circuit	1 hr	Sun 23/04/23 14:15	Sun 23/04/23 15:15	5044	Ash-Elec3,Ash-SSElec3
5046			Ensure Motor winding heater is working	0.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:45	5045	Ash-Elec3,Ash-SSElec3
5047			Seal for Moisture and dust.	0.25 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:00	5046	Ash-Elec3,Ash-SSElec3
5048			Confirm correct protection settings for all drives	0.25 hrs	Sun 23/04/23 16:00	Sun 23/04/23 16:15	5047	Ash-Elec3,Ash-SSElec3
5049			Clear permit	0.25 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:30	5048	Ash-Elec3,Ash-SSElec3
5050		**29ACO2LUA**	**A 'CO2 Compressor 'Lube Oil Pump A - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 23/04/23 16:30**	**Mon 24/04/23 09:00**	**5037**	
5051			Make out permit	0.25 hrs	Sun 23/04/23 16:30	Sun 23/04/23 16:45		Elec-Calc2
5052			Accept permit	0.25 hrs	Sun 23/04/23 16:45	Sun 23/04/23 17:00	5051	Elec-Calc2
5053			Carry out electrical isolation	0.25 hrs	Sun 23/04/23 17:00	Sun 23/04/23 17:15	5052	Elec-Calc2
5054			Check loose connections in the panel	0.25 hrs	Sun 23/04/23 17:15	Sun 23/04/23 17:30	5053	Elec-Calc2
5055			Check Contactor contacts connetions	0.25 hrs	Sun 23/04/23 17:30	Sun 23/04/23 17:45	5054	Elec-Calc2
5056			Confirm correct setting of protections	0.25 hrs	Sun 23/04/23 17:45	Sun 23/04/23 18:00	5055	Elec-Calc2
5057			Service Stop/start	0.5 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:30	5056	Elec-Calc2
5058			Check motor fan condition	0.5 hrs	Mon 24/04/23 07:30	Mon 24/04/23 08:00	5057	Elec-Calc2
5059			Check cable terminal leads for over heating	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15	5058	Elec-Calc2
5060			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:30	5059	Elec-Calc2
5061			Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	5060	Elec-Calc2
5062			Clear permit	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	5061	Elec-Calc2
5063		**29ACO2LUA**	**A 'CO2 Compressor 'Lube Oil Pump B - Carry out maintenance on electrical components**	**3.5 hrs**	**Mon 24/04/23 09:00**	**Mon 24/04/23 13:00**	**5050**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5064			Make out permit	0.25 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:15		Elec-Calc2
5065			Accept permit	0.25 hrs	Mon 24/04/23 09:15	Mon 24/04/23 09:30	5064	Elec-Calc2
5066			Carry out electrical isolation	0.25 hrs	Mon 24/04/23 09:30	Mon 24/04/23 09:45	5065	Elec-Calc2
5067			Check loose connections in the panel	0.25 hrs	Mon 24/04/23 09:45	Mon 24/04/23 10:00	5066	Elec-Calc2
5068			Check Contactor contacts connetions	0.25 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:15	5067	Elec-Calc2
5069			Confirm correct setting of protections	0.25 hrs	Mon 24/04/23 10:15	Mon 24/04/23 10:30	5068	Elec-Calc2
5070			Service Stop/start	0.5 hrs	Mon 24/04/23 10:30	Mon 24/04/23 11:00	5069	Elec-Calc2
5071			Check motor fan condition	0.5 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:30	5070	Elec-Calc2
5072			Check cable terminal leads for over heating	0.25 hrs	Mon 24/04/23 11:30	Mon 24/04/23 11:45	5071	Elec-Calc2
5073			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	5072	Elec-Calc2
5074			Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 12:30	Mon 24/04/23 12:45	5073	Elec-Calc2
5075			Clear permit	0.25 hrs	Mon 24/04/23 12:45	Mon 24/04/23 13:00	5074	Elec-Calc2
5076		**29ACO2SEA**	**A CO2 Seal water pump A - Carry out maintenance on electrical components**	**3.5 hrs**	**Mon 24/04/23 13:00**	**Mon 24/04/23 16:30**	**5063**	
5077			Make out permit	0.25 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:15		Elec-Calc2
5078			Accept permit	0.25 hrs	Mon 24/04/23 13:15	Mon 24/04/23 13:30	5077	Elec-Calc2
5079			Carry out electrical isolation	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	5078	Elec-Calc2
5080			Check loose connections in the panel	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	5079	Elec-Calc2
5081			Check Contactor contacts connetions	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	5080	Elec-Calc2
5082			Confirm correct setting of protections	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30	5081	Elec-Calc2
5083			Service Stop/start	0.5 hrs	Mon 24/04/23 14:30	Mon 24/04/23 15:00	5082	Elec-Calc2
5084			Check motor fan condition	0.5 hrs	Mon 24/04/23 15:00	Mon 24/04/23 15:30	5083	Elec-Calc2
5085			Check cable terminal leads for over heating	0.25 hrs	Mon 24/04/23 15:30	Mon 24/04/23 15:45	5084	Elec-Calc2
5086			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 24/04/23 15:45	Mon 24/04/23 16:00	5085	Elec-Calc2
5087			Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 16:00	Mon 24/04/23 16:15	5086	Elec-Calc2
5088			Clear permit	0.25 hrs	Mon 24/04/23 16:15	Mon 24/04/23 16:30	5087	Elec-Calc2
5089		**29ACO2SEA**	**A CO2 Seal water pump B - Carry out maintenance on electrical components**	**9 hrs**	**Mon 24/04/23 16:30**	**Tue 25/04/23 15:00**	**5076**	
5090			Make out permit	0.25 hrs	Mon 24/04/23 16:30	Mon 24/04/23 16:45		Elec-Calc2
5091			Accept permit	0.25 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:00	5090	Elec-Calc2
5092			Disconnect motor	1.5 hrs	Mon 24/04/23 17:00	Tue 25/04/23 07:30	5091	Elec-Calc2
5093			Send motor for painting	1.5 hrs	Tue 25/04/23 07:30	Tue 25/04/23 09:00	5092	Elec-Calc2
5094			Carry out electrical isolation	0.25 hrs	Tue 25/04/23 09:00	Tue 25/04/23 09:15	5093	Elec-Calc2
5095			Check loose connections in the panel	0.25 hrs	Tue 25/04/23 09:15	Tue 25/04/23 09:30	5094	Elec-Calc2
5096			Check Contactor contacts connetions	0.25 hrs	Tue 25/04/23 09:30	Tue 25/04/23 09:45	5095	Elec-Calc2
5097			Confirm correct setting of protections	0.25 hrs	Tue 25/04/23 09:45	Tue 25/04/23 10:00	5096	Elec-Calc2
5098			Service Stop/start	0.5 hrs	Tue 25/04/23 10:00	Tue 25/04/23 10:30	5097	Elec-Calc2
5099			Check motor fan condition	0.5 hrs	Tue 25/04/23 10:30	Tue 25/04/23 11:00	5098	Elec-Calc2
5100			Connect motor	2.5 hrs	Tue 25/04/23 11:00	Tue 25/04/23 14:00	5099	Elec-Calc2
5101			Check cable terminal leads for over heating	0.25 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:15	5100	Elec-Calc2
5102			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 25/04/23 14:15	Tue 25/04/23 14:30	5101	Elec-Calc2
5103			Seal for Moisture and dust.	0.25 hrs	Tue 25/04/23 14:30	Tue 25/04/23 14:45	5102	Elec-Calc2
5104			Clear permit	0.25 hrs	Tue 25/04/23 14:45	Tue 25/04/23 15:00	5103	Elec-Calc2
5105		**29A2RF01**	**# A DUST DISCHARGE SCREW CONVEYOR - Services Electric Motor And Panel Components**	**17.5 hrs**	**Tue 25/04/23 15:00**	**Thu 27/04/23 11:00**	**5089**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5106			Make Out Permit	0.25 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:15		Operations
5107			Accept Permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30	5106	Ash-Elec3,Ash-SSElec3
5108			Services Electric Motor And Panel Components	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	5107	Ash-Elec3,Ash-SSElec3
5109			Carry Out Electrical Isolation	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	5108	Ash-Elec3,Ash-SSElec3
5110			Disconnect and remove motor and send for repairs	2 hrs	Tue 25/04/23 16:00	Tue 25/04/23 18:00	5109	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
5111			Paint motor	6 hrs	Wed 26/04/23 07:00	Wed 26/04/23 13:30	5110	Painter 1
5112			Curing time	4 hrs	Wed 26/04/23 13:30	Wed 26/04/23 17:30	5111	
5113			Check Loose Connections In The Panel	0.25 hrs	Wed 26/04/23 17:30	Wed 26/04/23 17:45	5112	Ash-Elec3,Ash-SSElec3
5114			Check Contactor Contacts	0.25 hrs	Wed 26/04/23 17:45	Wed 26/04/23 18:00	5113	Ash-Elec3,Ash-SSElec3
5115			Service Stop/Start	0.25 hrs	Thu 27/04/23 07:00	Thu 27/04/23 07:15	5114	Ash-Elec3,Ash-SSElec3
5116			Install and connect motor	2 hrs	Thu 27/04/23 07:15	Thu 27/04/23 09:15	5115	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
5117			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Thu 27/04/23 09:15	Thu 27/04/23 09:30	5116	Ash-Elec3,Ash-SSElec3
5118			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 27/04/23 09:30	Thu 27/04/23 09:45	5117	Ash-Elec3,Ash-SSElec3
5119			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Thu 27/04/23 09:45	Thu 27/04/23 10:00	5118	Ash-Elec3,Ash-SSElec3
5120			Replace Safe Start Alarm	0.25 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:15	5119	Ash-Elec3,Ash-SSElec3
5121			Seal For Moisture And Dust	0.25 hrs	Thu 27/04/23 10:15	Thu 27/04/23 10:30	5120	Ash-Elec3,Ash-SSElec3
5122			Confirm Correct Protection Settings	0.25 hrs	Thu 27/04/23 10:30	Thu 27/04/23 10:45	5121	Ash-Elec3,Ash-SSElec3
5123			Clear Permit	0.25 hrs	Thu 27/04/23 10:45	Thu 27/04/23 11:00	5122	Ash-Elec3,Ash-SSElec3
5124		**29A2RF02**	**# A INCLINED TROUGH CHAIN CONVEYOR - Services Electric Motor And Panel Components**	**17.75 hrs**	**Thu 27/04/23 11:00**	**Sat 29/04/23 07:45**	**5105**	
5125			Make Out Permit	0.25 hrs	Thu 27/04/23 11:00	Thu 27/04/23 11:15		Operations
5126			Accept Permit	0.25 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:30	5125	Ash-Elec3,Ash-SSElec3
5127			Services Electric Motor And Panel Components	0.25 hrs	Thu 27/04/23 11:30	Thu 27/04/23 11:45	5126	Ash-Elec3,Ash-SSElec3
5128			Carry Out Electrical Isolation	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	5127	Ash-Elec3,Ash-SSElec3
5129			Disconnect and remove motor and send for repairs	2 hrs	Thu 27/04/23 12:30	Thu 27/04/23 14:30	5128	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
5130			Paint motor	6 hrs	Thu 27/04/23 14:30	Fri 28/04/23 09:30	5129	Painter 1
5131			Curing time	4 hrs	Fri 28/04/23 09:30	Fri 28/04/23 14:00	5130	
5132			Check Loose Connections In The Panel	0.25 hrs	Fri 28/04/23 14:00	Fri 28/04/23 14:15	5131	Ash-Elec3,Ash-SSElec3
5133			Clean Panel Interior	0.25 hrs	Fri 28/04/23 14:15	Fri 28/04/23 14:30	5132	Ash-Elec3,Ash-SSElec3
5134			Check Contactor Contacts	0.25 hrs	Fri 28/04/23 14:30	Fri 28/04/23 14:45	5133	Ash-Elec3,Ash-SSElec3
5135			Service U/S Circuit	0.25 hrs	Fri 28/04/23 14:45	Fri 28/04/23 15:00	5134	Ash-Elec3,Ash-SSElec3
5136			Service Stop/Start	0.25 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:15	5135	Ash-Elec3,Ash-SSElec3
5137			Install and connect motor	2 hrs	Fri 28/04/23 15:15	Fri 28/04/23 17:15	5136	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
5138			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 28/04/23 17:15	Fri 28/04/23 17:30	5137	Ash-Elec3,Ash-SSElec3
5139			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Fri 28/04/23 17:30	Fri 28/04/23 17:45	5138	Ash-Elec3,Ash-SSElec3
5140			Service Go Switches And Test Functionality	0.25 hrs	Fri 28/04/23 17:45	Fri 28/04/23 18:00	5139	Ash-Elec3,Ash-SSElec3
5141			Seal For Moisture And Dust	0.25 hrs	Sat 29/04/23 07:00	Sat 29/04/23 07:15	5140	Ash-Elec3,Ash-SSElec3
5142			Confirm Correct Protection Settings	0.25 hrs	Sat 29/04/23 07:15	Sat 29/04/23 07:30	5141	Ash-Elec3,Ash-SSElec3
5143			Clear Permit	0.25 hrs	Sat 29/04/23 07:30	Sat 29/04/23 07:45	5142	Ash-Elec3,Ash-SSElec3
5144		**29A2RF03**	**# A 1 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Sat 29/04/23 07:45**	**Sat 29/04/23 15:30**	**5124**	
5145			Fabricate power supply cable junction box prior	0 hrs	Sat 29/04/23 07:45	Sat 29/04/23 07:45		
5146			Make Out Permit	0.25 hrs	Sat 29/04/23 07:45	Sat 29/04/23 08:00		Operations
5147			Accept Permit	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	5146	Ash-Elec3,Ash-SSElec3
5148			Services Electric Motor And Panel Components	0.25 hrs	Sat 29/04/23 08:15	Sat 29/04/23 08:30	5147	Ash-Elec3,Ash-SSElec3

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5149		Carry Out Electrical Isolation	0.25 hrs	Sat 29/04/23 08:30	Sat 29/04/23 08:45	5148	Ash-Elec3,Ash-SSElec3
5150		Check Loose Connections In The Panel	0.25 hrs	Sat 29/04/23 08:45	Sat 29/04/23 09:00	5149	Ash-Elec3,Ash-SSElec3
5151		Check Contactor Contacts	0.25 hrs	Sat 29/04/23 09:00	Sat 29/04/23 09:15	5150	Ash-Elec3,Ash-SSElec3
5152		Service Stop/Start	0.25 hrs	Sat 29/04/23 09:15	Sat 29/04/23 09:30	5151	Ash-Elec3,Ash-SSElec3
5153		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 29/04/23 09:30	Sat 29/04/23 09:45	5152	Ash-Elec3,Ash-SSElec3
5154		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 29/04/23 09:45	Sat 29/04/23 10:00	5153	Ash-Elec3,Ash-SSElec3
5155		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sat 29/04/23 10:00	Sat 29/04/23 10:15	5154	Ash-Elec3,Ash-SSElec3
5156		Seal For Moisture And Dust	0.25 hrs	Sat 29/04/23 10:15	Sat 29/04/23 10:30	5155	Ash-Elec3,Ash-SSElec3
5157		Confirm Correct Protection Settings	0.25 hrs	Sat 29/04/23 10:30	Sat 29/04/23 10:45	5156	Ash-Elec3,Ash-SSElec3
5158		Replace juntion box	4 hrs	Sat 29/04/23 10:45	Sat 29/04/23 15:15	5157	Ash-Elec3,Ash-SSElec3
5159		Clear Permit	0.25 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:30	5158	Ash-Elec3,Ash-SSElec3
5160	**29A2RF04**	**# A2 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**3.5 hrs**	**Sat 29/04/23 15:30**	**Sun 30/04/23 08:00**	**5144**	
5161		Make Out Permit	0.25 hrs	Sat 29/04/23 15:30	Sat 29/04/23 15:45		Operations
5162		Accept Permit	0.25 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:00	5161	Ash-Elec3,Ash-SSElec3
5163		Services Electric Motor And Panel Components	0.25 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:15	5162	Ash-Elec3,Ash-SSElec3
5164		Carry Out Electrical Isolation	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30	5163	Ash-Elec3,Ash-SSElec3
5165		Check Loose Connections In The Panel	0.25 hrs	Sat 29/04/23 16:30	Sat 29/04/23 16:45	5164	Ash-Elec3,Ash-SSElec3
5166		Check Contactor Contacts	0.25 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:00	5165	Ash-Elec3,Ash-SSElec3
5167		Service Stop/Start	0.25 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:15	5166	Ash-Elec3,Ash-SSElec3
5168		Check Fan Condition	0.25 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:30	5167	Ash-Elec3,Ash-SSElec3
5169		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 29/04/23 17:30	Sat 29/04/23 17:45	5168	Ash-Elec3,Ash-SSElec3
5170		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	5169	Ash-Elec3,Ash-SSElec3
5171		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	5170	Ash-Elec3,Ash-SSElec3
5172		Seal For Moisture And Dust	0.25 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:30	5171	Ash-Elec3,Ash-SSElec3
5173		Confirm Correct Protection Settings	0.25 hrs	Sun 30/04/23 07:30	Sun 30/04/23 07:45	5172	Ash-Elec3,Ash-SSElec3
5174		Clear Permit	0.25 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:00	5173	Ash-Elec3,Ash-SSElec3
5175	**29A2RF05**	**# A COLLECTED DUST SCREW CONVEYOR - Services Electric Motor And Panel Components**	**3.75 hrs**	**Sun 30/04/23 08:00**	**Sun 30/04/23 11:45**	**5160**	
5176		Make Out Permit	0.25 hrs	Sun 30/04/23 08:00	Sun 30/04/23 08:15		Operations
5177		Accept Permit	0.25 hrs	Sun 30/04/23 08:15	Sun 30/04/23 08:30	5176	Ash-Elec3,Ash-SSElec3
5178		A Collected Dust Screw Conveyor	0.25 hrs	Sun 30/04/23 08:30	Sun 30/04/23 08:45	5177	Ash-Elec3,Ash-SSElec3
5179		Services Electric Motor And Panel Components	0.25 hrs	Sun 30/04/23 08:45	Sun 30/04/23 09:00	5178	Ash-Elec3,Ash-SSElec3
5180		Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 09:00	Sun 30/04/23 09:15	5179	Ash-Elec3,Ash-SSElec3
5181		Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 09:15	Sun 30/04/23 09:30	5180	Ash-Elec3,Ash-SSElec3
5182		Check Contactor Contacts	0.25 hrs	Sun 30/04/23 09:30	Sun 30/04/23 09:45	5181	Ash-Elec3,Ash-SSElec3
5183		Service Stop/Start	0.25 hrs	Sun 30/04/23 09:45	Sun 30/04/23 10:00	5182	Ash-Elec3,Ash-SSElec3
5184		Check Fan Condition	0.25 hrs	Sun 30/04/23 10:00	Sun 30/04/23 10:15	5183	Ash-Elec3,Ash-SSElec3
5185		Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sun 30/04/23 10:15	Sun 30/04/23 10:30	5184	Ash-Elec3,Ash-SSElec3
5186		Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 30/04/23 10:30	Sun 30/04/23 10:45	5185	Ash-Elec3,Ash-SSElec3
5187		Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 30/04/23 10:45	Sun 30/04/23 11:00	5186	Ash-Elec3,Ash-SSElec3
5188		Seal For Moisture And Dust	0.25 hrs	Sun 30/04/23 11:00	Sun 30/04/23 11:15	5187	Ash-Elec3,Ash-SSElec3
5189		Confirm Correct Protection Settings	0.25 hrs	Sun 30/04/23 11:15	Sun 30/04/23 11:30	5188	Ash-Elec3,Ash-SSElec3
5190		Clear Permit	0.25 hrs	Sun 30/04/23 11:30	Sun 30/04/23 11:45	5189	Ash-Elec3,Ash-SSElec3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5191		**29A2RM01**	**# A BICARBONATE STAR FEEDER - Services Electric Motor And Panel Components**	**3.5 hrs**	**Sun 30/04/23 11:45**	**Sun 30/04/23 15:45**	**5175**	
5192			Make Out Permit	0.25 hrs	Sun 30/04/23 11:45	Sun 30/04/23 12:00		Operations
5193			Accept Permit	0.25 hrs	Sun 30/04/23 12:30	Sun 30/04/23 12:45	5192	Ash-Elec3,Ash-SSElec3
5194			Services Electric Motor And Panel Components	0.25 hrs	Sun 30/04/23 12:45	Sun 30/04/23 13:00	5193	Ash-Elec3,Ash-SSElec3
5195			Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 13:00	Sun 30/04/23 13:15	5194	Ash-Elec3,Ash-SSElec3
5196			Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 13:15	Sun 30/04/23 13:30	5195	Ash-Elec3,Ash-SSElec3
5197			Check Contactor Contacts	0.25 hrs	Sun 30/04/23 13:30	Sun 30/04/23 13:45	5196	Ash-Elec3,Ash-SSElec3
5198			Service Stop/Start	0.25 hrs	Sun 30/04/23 13:45	Sun 30/04/23 14:00	5197	Ash-Elec3,Ash-SSElec3
5199			Check Fan Condition	0.25 hrs	Sun 30/04/23 14:00	Sun 30/04/23 14:15	5198	Ash-Elec3,Ash-SSElec3
5200			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sun 30/04/23 14:15	Sun 30/04/23 14:30	5199	Ash-Elec3,Ash-SSElec3
5201			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sun 30/04/23 14:30	Sun 30/04/23 14:45	5200	Ash-Elec3,Ash-SSElec3
5202			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Sun 30/04/23 14:45	Sun 30/04/23 15:00	5201	Ash-Elec3,Ash-SSElec3
5203			Seal For Moisture And Dust	0.25 hrs	Sun 30/04/23 15:00	Sun 30/04/23 15:15	5202	Ash-Elec3,Ash-SSElec3
5204			Confirm Correct Protection Settings	0.25 hrs	Sun 30/04/23 15:15	Sun 30/04/23 15:30	5203	Ash-Elec3,Ash-SSElec3
5205			Clear Permit	0.25 hrs	Sun 30/04/23 15:30	Sun 30/04/23 15:45	5204	Ash-Elec3,Ash-SSElec3
5206		**29A2RM02**	**# A RECYCLE SODA ASH STAR FEEDER - Services Electric Motor And Panel Components**	**3.5 hrs**	**Sun 30/04/23 15:45**	**Mon 01/05/23 08:15**	**5191**	
5207			Make Out Permit	0.25 hrs	Sun 30/04/23 15:45	Sun 30/04/23 16:00		Operations
5208			Accept Permit	0.25 hrs	Sun 30/04/23 16:00	Sun 30/04/23 16:15	5207	Ash-Elec3,Ash-SSElec3
5209			Services Electric Motor And Panel Components	0.25 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:30	5208	Ash-Elec3,Ash-SSElec3
5210			Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 16:30	Sun 30/04/23 16:45	5209	Ash-Elec3,Ash-SSElec3
5211			Check Loose Connections In The Panel	0.25 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:00	5210	Ash-Elec3,Ash-SSElec3
5212			Check Contactor Contacts	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15	5211	Ash-Elec3,Ash-SSElec3
5213			Service Stop/Start	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30	5212	Ash-Elec3,Ash-SSElec3
5214			Check Fan Condition	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45	5213	Ash-Elec3,Ash-SSElec3
5215			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sun 30/04/23 17:45	Sun 30/04/23 18:00	5214	Ash-Elec3,Ash-SSElec3
5216			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 01/05/23 07:00	Mon 01/05/23 07:15	5215	Ash-Elec3,Ash-SSElec3
5217			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 01/05/23 07:15	Mon 01/05/23 07:30	5216	Ash-Elec3,Ash-SSElec3
5218			Seal For Moisture And Dust	0.25 hrs	Mon 01/05/23 07:30	Mon 01/05/23 07:45	5217	Ash-Elec3,Ash-SSElec3
5219			Confirm Correct Protection Settings	0.25 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:00	5218	Ash-Elec3,Ash-SSElec3
5220			Clear Permit	0.25 hrs	Mon 01/05/23 08:00	Mon 01/05/23 08:15	5219	Ash-Elec3,Ash-SSElec3
5221		**29A2RM03**	**# A CALCINER DISCHARGE STAR FEEDER - Services Electric Motor And Panel Components**	**25.5 hrs**	**Mon 01/05/23 08:15**	**Wed 03/05/23 13:15**	**5206**	
5222			Make Out Permit	0.25 hrs	Mon 01/05/23 08:15	Mon 01/05/23 08:30		Operations
5223			Accept Permit	0.25 hrs	Mon 01/05/23 08:30	Mon 01/05/23 08:45	5222	Ash-Elec3,Ash-SSElec3
5224			Carry Out Electrical Isolation	0.25 hrs	Mon 01/05/23 08:45	Mon 01/05/23 09:00	5223	Ash-Elec3,Ash-SSElec3
5225			Disconnect motor	2 hrs	Mon 01/05/23 09:00	Mon 01/05/23 11:00	5224	Fit,Ash-Elec3,Ash-SSElec3,G Moeseraela,T Moloi
5226			Paint motor	4 hrs	Mon 01/05/23 11:00	Mon 01/05/23 15:30	5225	Painter 1
5227			Curing time	4 hrs	Mon 01/05/23 15:30	Tue 02/05/23 08:30	5226	
5228			Service Electric Motor And Panel Components	0.25 hrs	Tue 02/05/23 08:30	Tue 02/05/23 08:45	5227	Ash-Elec3,Ash-SSElec3
5229			Check Loose Connections In The Panel	0.25 hrs	Tue 02/05/23 08:45	Tue 02/05/23 09:00	5228	Ash-Elec3,Ash-SSElec3
5230			Check Contactor Contacts	0.25 hrs	Tue 02/05/23 09:00	Tue 02/05/23 09:15	5229	Ash-Elec3,Ash-SSElec3
5231			Service Stop/Start	0.25 hrs	Tue 02/05/23 09:15	Tue 02/05/23 09:30	5230	Ash-Elec3,Ash-SSElec3
5232			Check Fan Condition	0.25 hrs	Tue 02/05/23 09:30	Tue 02/05/23 09:45	5231	Ash-Elec3,Ash-SSElec3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5233			Inspect gearbox seal for leaks	0.5 hrs	Tue 02/05/23 09:45	Tue 02/05/23 10:15	5232	Ash-Elec3,Ash-SSElec3,M Ramosomana,M Kene
5234			Possible repairs	10 hrs	Tue 02/05/23 10:15	Wed 03/05/23 09:45	5233	Ash-Elec3,Ash-SSElec3,M Ramosomana,M Kene
5235			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:00	5234	Ash-Elec3,Ash-SSElec3
5236			Install motor	1 hr	Wed 03/05/23 10:00	Wed 03/05/23 11:00	5235	Fit,Ash-Elec3,Ash-SSElec3,G Moeseraela,T Moloi
5237			Connect motor	1 hr	Wed 03/05/23 11:00	Wed 03/05/23 12:00	5236	Ash-Elec3,Ash-SSElec3
5238			Seal For Moisture And Dust	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	5237	Ash-Elec3,Ash-SSElec3
5239			Confirm Correct Protection Settings	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	5238	Ash-Elec3,Ash-SSElec3
5240			Clear Permit	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	5239	Ash-Elec3,Ash-SSElec3
5241		**29A2GL01**	**A' DOUBLE SHAFT MIXER - Motor replacement**	**3.75 hrs**	**Wed 03/05/23 13:15**	**Wed 03/05/23 17:00**	**5221**	
5242			Make out permit	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30		Operations
5243			Accept permit	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	5242	Ash-Elec3,Ash-SSElec3
5244			Carry out Electrical isolation	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00	5243	Operations
5245			Check loose connections in the panel	0.5 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:30	5244	Ash-Elec3,Ash-SSElec3
5246			Clean panel interior	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	5245	Ash-Elec3,Ash-SSElec3
5247			Check Contactor contacts	0.25 hrs	Wed 03/05/23 14:45	Wed 03/05/23 15:00	5246	M Ramosomana,M Kene
5248			Service U/S circuit	0.25 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:15	5247	M Ramosomana,M Kene
5249			Service Stop/start	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30	5248	Ash-Elec3,Ash-SSElec3
5250			Check fan condition	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45	5249	Ash-Elec3,Ash-SSElec3
5251			Check cable terminal leads for over heating	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00	5250	Ash-Elec3,Ash-SSElec3
5252			Tighten Motor connections& Gland intergrity	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	5251	Ash-Elec3,Ash-SSElec3
5253			Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 16:15	Wed 03/05/23 16:30	5252	Ash-Elec3,Ash-SSElec3
5254			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 16:30	Wed 03/05/23 16:45	5253	Ash-Elec3,Ash-SSElec3
5255			Clear permit	0.25 hrs	Wed 03/05/23 16:45	Wed 03/05/23 17:00	5254	Ash-Elec3,Ash-SSElec3
5256		**29A2GL02**	**B' DOUBLE SHAFT MIXER - Carry out Electrical maintenance**	**3.5 hrs**	**Wed 03/05/23 17:00**	**Thu 04/05/23 09:30**	**5241**	
5257			Make out permit	0.25 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:15		Operations
5258			Accept permit	0.25 hrs	Wed 03/05/23 17:15	Wed 03/05/23 17:30	5257	Ash-Elec3,Ash-SSElec3
5259			Carry out Elec (Ash)trical isolation	0.25 hrs	Wed 03/05/23 17:30	Wed 03/05/23 17:45	5258	Ash-Elec3,Ash-SSElec3
5260			Check loose connections in the panel	0.25 hrs	Wed 03/05/23 17:45	Wed 03/05/23 18:00	5259	Ash-Elec3,Ash-SSElec3
5261			Clean panel interior	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	5260	Ash-Elec3,Ash-SSElec3
5262			Check Contactor contacts	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	5261	Ash-Elec3,Ash-SSElec3
5263			Service U/S circuit	0.25 hrs	Thu 04/05/23 07:30	Thu 04/05/23 07:45	5262	Ash-Elec3,Ash-SSElec3
5264			Service Stop/start	0.25 hrs	Thu 04/05/23 07:45	Thu 04/05/23 08:00	5263	Ash-Elec3,Ash-SSElec3
5265			Check fan condition	0.25 hrs	Thu 04/05/23 08:00	Thu 04/05/23 08:15	5264	Ash-Elec3,Ash-SSElec3
5266			Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 08:15	Thu 04/05/23 08:30	5265	Ash-Elec3,Ash-SSElec3
5267			Tighten Motor connections& Gland intergrity	0.25 hrs	Thu 04/05/23 08:30	Thu 04/05/23 08:45	5266	Ash-Elec3,Ash-SSElec3
5268			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:00	5267	Ash-Elec3,Ash-SSElec3
5269			Confirm correct protection settings	0.25 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:15	5268	Ash-Elec3,Ash-SSElec3
5270			Clear permit	0.25 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:30	5269	Ash-Elec3,Ash-SSElec3
5271			**INSTRUMENTATION**	**106 hrs**	**Wed 19/04/23 08:00**	**Sat 29/04/23 09:00**	**4463**	
5272		**29LC101**	**# A CONDENSATE COLLECTING TANK - overhaul valve**	**9 hrs**	**Wed 19/04/23 08:00**	**Wed 19/04/23 17:30**		
5273			Make out permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
5274			Accept permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	5273	Ash-Inst2,SS-Ash-Ins2
5275			Disconnect instruments	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	5274	Ash-Inst2,SS-Ash-Ins2
5276			Remove valve	2 hrs	Wed 19/04/23 09:30	Wed 19/04/23 11:30	5275	Aveng,Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T
5277			Overhaul valve	3 hrs	Wed 19/04/23 11:30	Wed 19/04/23 15:00	5276	Ash-Inst2,SS-Ash-Ins2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5278			Install valve	2 hrs	Wed 19/04/23 15:00	Wed 19/04/23 17:00	5277	Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,
5279			Stroke check valve	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	5278	Ash-Inst2,SS-Ash-Ins2
5280			Clear permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	5279	Ash-Inst2,SS-Ash-Ins2
5281		**29LXV101**	**# A PRESSURE RELIEF VALVE - overhaul valve**	**9 hrs**	**Wed 19/04/23 08:00**	**Wed 19/04/23 17:30**		
5282			Make out permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
5283			Accept permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	5282	Ash-Inst2,SS-Ash-Ins2
5284			Disconnect instruments	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	5283	Ash-Inst2,SS-Ash-Ins2
5285			Remove valve	2 hrs	Wed 19/04/23 09:30	Wed 19/04/23 11:30	5284	Aveng,Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T
5286			Overhaul valve	3 hrs	Wed 19/04/23 11:30	Wed 19/04/23 15:00	5285	Ash-Inst2,SS-Ash-Ins2
5287			Install valve	2 hrs	Wed 19/04/23 15:00	Wed 19/04/23 17:00	5286	Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,
5288			Stroke check valve	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	5287	Ash-Inst2,SS-Ash-Ins2
5289			Clear permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	5288	Ash-Inst2,SS-Ash-Ins2
5290		**29PC144**	**# A CO2 COMPRESSOR SELF REGULATING VALVES - overhaul**	**8.75 hrs**	**Wed 19/04/23 17:30**	**Thu 20/04/23 15:45**	**5272,5281**	
5291			Make out permit	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45		Operations
5292			Accept permit	0.25 hrs	Wed 19/04/23 17:45	Wed 19/04/23 18:00	5291	Inst (Calc)1
5293			Disconnect instruments	1 hr	Thu 20/04/23 07:00	Thu 20/04/23 08:00	5292	Inst (Calc)1
5294			Remove valve	2 hrs	Thu 20/04/23 08:00	Thu 20/04/23 10:00	5293	Inst (Calc)1,Calc-FT1
5295			Overhaul valve	3 hrs	Thu 20/04/23 10:00	Thu 20/04/23 13:30	5294	Inst (Calc)1
5296			Install valve	2 hrs	Thu 20/04/23 13:30	Thu 20/04/23 15:30	5295	Inst (Calc)1,Calc-FT1
5297			Clear permit	0.25 hrs	Thu 20/04/23 15:30	Thu 20/04/23 15:45	5296	Inst (Calc)1
5298			**# A CO2 COMPRESSOR DISCHARGE SHUT-OFF VALVE - Overhaul**	**13 hrs**	**Wed 19/04/23 17:30**	**Fri 21/04/23 09:00**	**5272,5281**	
5299			Make out permit	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45		Operations
5300			Accept permit	0.25 hrs	Wed 19/04/23 17:45	Wed 19/04/23 18:00	5299	Ash-Inst2,SS-Ash-Ins2
5301			Disconnect instruments	1 hr	Thu 20/04/23 07:00	Thu 20/04/23 08:00	5300	Ash-Inst2,SS-Ash-Ins2
5302			Remove valve	3 hrs	Thu 20/04/23 08:00	Thu 20/04/23 11:00	5301	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5303			Overhaul valve	4 hrs	Thu 20/04/23 11:00	Thu 20/04/23 15:30	5302	Ash-Inst2,SS-Ash-Ins2
5304			Install valve	4 hrs	Thu 20/04/23 15:30	Fri 21/04/23 08:30	5303	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5305			Stroke check valve	0.25 hrs	Fri 21/04/23 08:30	Fri 21/04/23 08:45	5304	Ash-Inst2,SS-Ash-Ins2
5306			Clear permit	0.25 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:00	5305	Ash-Inst2,SS-Ash-Ins2
5307			**# A CO2 COMPRESSOR PRESSURE GAUGES - calibrate & mark**	**11 hrs**	**Fri 21/04/23 09:00**	**Sat 22/04/23 09:30**	**5298**	
5308			Make out permit	0.25 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:15		Operations
5309			Accept permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	5308	Ash-Inst2,SS-Ash-Ins2
5310			Remove gauges	2 hrs	Fri 21/04/23 09:30	Fri 21/04/23 11:30	5309	Ash-Inst2,SS-Ash-Ins2
5311			Calibrate & mark gauges	5 hrs	Fri 21/04/23 11:30	Fri 21/04/23 17:00	5310	Ash-Inst2,SS-Ash-Ins2
5312			Replace gauges	3 hrs	Fri 21/04/23 17:00	Sat 22/04/23 09:00	5311	Ash-Inst2,SS-Ash-Ins2
5313			Clear permit	0.5 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:30	5312	Ash-Inst2,SS-Ash-Ins2
5314		**29PC103**	**# A CALCINER PRESSURE CONTROL VALVE - overhaul valve**	**13 hrs**	**Sat 22/04/23 09:30**	**Sun 23/04/23 12:00**	**5307**	
5315			Make out permit	0.25 hrs	Sat 22/04/23 09:30	Sat 22/04/23 09:45		Operations
5316			Accept permit	0.25 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:00	5315	Ash-Inst2,SS-Ash-Ins2
5317			Disconnect instruments	1 hr	Sat 22/04/23 10:00	Sat 22/04/23 11:00	5316	Ash-Inst2,SS-Ash-Ins2
5318			Remove valve	3 hrs	Sat 22/04/23 11:00	Sat 22/04/23 14:30	5317	Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,
5319			Overhaul valve	5 hrs	Sat 22/04/23 14:30	Sun 23/04/23 08:30	5318	Aveng,Ash-Inst2,SS-Ash-Ins2
5320			Install valve	3 hrs	Sun 23/04/23 08:30	Sun 23/04/23 11:30	5319	Aveng,Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T
5321			Stroke check valve	0.25 hrs	Sun 23/04/23 11:30	Sun 23/04/23 11:45	5320	Ash-Inst2,SS-Ash-Ins2
5322			Clear permit	0.25 hrs	Sun 23/04/23 11:45	Sun 23/04/23 12:00	5321	Ash-Inst2,SS-Ash-Ins2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5323		**29LC106**	**# A SCRUBBER LEVEL CONTROL VALVE - overhaul valve**	**11.75 hrs**	**Sun 23/04/23 12:00**	**Mon 24/04/23 13:45**	**5314**	
5324			Make out permit	0.25 hrs	Sun 23/04/23 12:00	Sun 23/04/23 12:15		Operations
5325			Accept permit	0.25 hrs	Sun 23/04/23 12:30	Sun 23/04/23 12:45	5324	Ash-Inst2,SS-Ash-Ins2
5326			Disconnect instruments	1 hr	Sun 23/04/23 12:45	Sun 23/04/23 13:45	5325	Ash-Inst2,SS-Ash-Ins2
5327			Remove valve	3 hrs	Sun 23/04/23 13:45	Sun 23/04/23 16:45	5326	Rig (Calc,Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5328			Overhaul valve	4 hrs	Sun 23/04/23 16:45	Mon 24/04/23 09:45	5327	Ash-Inst2,SS-Ash-Ins2
5329			Install valve	3 hrs	Mon 24/04/23 09:45	Mon 24/04/23 13:15	5328	Calc-FT1,Ash-Inst2,SS-Ash-Ins2,G Moeseraela,T Moloi,
5330			Stroke check valve	0.25 hrs	Mon 24/04/23 13:15	Mon 24/04/23 13:30	5329	Ash-Inst2,SS-Ash-Ins2
5331			Clear permit	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	5330	Ash-Inst2,SS-Ash-Ins2
5332		**29LC111A**	**# A CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**10 hrs**	**Mon 24/04/23 13:45**	**Tue 25/04/23 13:15**	**5323**	
5333			Make out permit	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00		Operations
5334			Accept permit	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	5333	Ash-Inst2,SS-Ash-Ins2
5335			Disconnect instruments	1 hr	Mon 24/04/23 14:15	Mon 24/04/23 15:15	5334	Ash-Inst2,SS-Ash-Ins2
5336			Remove valve	2 hrs	Mon 24/04/23 15:15	Mon 24/04/23 17:15	5335	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5337			Overhaul valve	4 hrs	Mon 24/04/23 17:15	Tue 25/04/23 10:15	5336	Ash-Inst2,SS-Ash-Ins2
5338			Install valve	2 hrs	Tue 25/04/23 10:15	Tue 25/04/23 12:45	5337	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5339			Stroke check valve	0.25 hrs	Tue 25/04/23 12:45	Tue 25/04/23 13:00	5338	Ash-Inst2,SS-Ash-Ins2
5340			Clear permit	0.25 hrs	Tue 25/04/23 13:00	Tue 25/04/23 13:15	5339	Ash-Inst2,SS-Ash-Ins2
5341		**29LC111B**	**# CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**10 hrs**	**Tue 25/04/23 13:15**	**Wed 26/04/23 12:45**	**5332**	
5342			Make out permit	0.25 hrs	Tue 25/04/23 13:15	Tue 25/04/23 13:30		Operations
5343			Accept permit	0.25 hrs	Tue 25/04/23 13:30	Tue 25/04/23 13:45	5342	Ash-Inst2,SS-Ash-Ins2
5344			Disconnect instruments	1 hr	Tue 25/04/23 13:45	Tue 25/04/23 14:45	5343	Ash-Inst2,SS-Ash-Ins2
5345			Remove valve	2 hrs	Tue 25/04/23 14:45	Tue 25/04/23 16:45	5344	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5346			Overhaul valve	4 hrs	Tue 25/04/23 16:45	Wed 26/04/23 09:45	5345	Ash-Inst2,SS-Ash-Ins2
5347			Install valve	2 hrs	Wed 26/04/23 09:45	Wed 26/04/23 11:45	5346	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5348			Stroke check valve	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	5347	Ash-Inst2,SS-Ash-Ins2
5349			Clear permit	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	5348	Ash-Inst2,SS-Ash-Ins2
5350		**29LC110**	**# CO2 COMPRESSOR SEAL WATER RECEIVER LEVEL - overhaul valve**	**10 hrs**	**Wed 26/04/23 12:45**	**Thu 27/04/23 11:45**	**5341**	
5351			Make out permit	0.25 hrs	Wed 26/04/23 12:45	Wed 26/04/23 13:00		Operations
5352			Accept permit	0.25 hrs	Wed 26/04/23 13:00	Wed 26/04/23 13:15	5351	Ash-Inst2,SS-Ash-Ins2
5353			Disconnect instruments	1 hr	Wed 26/04/23 13:15	Wed 26/04/23 14:15	5352	Ash-Inst2,SS-Ash-Ins2
5354			Remove valve	2 hrs	Wed 26/04/23 14:15	Wed 26/04/23 16:15	5353	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5355			Overhaul valve	4 hrs	Wed 26/04/23 16:15	Thu 27/04/23 09:15	5354	Ash-Inst2,SS-Ash-Ins2
5356			Install valve	2 hrs	Thu 27/04/23 09:15	Thu 27/04/23 11:15	5355	Calc-FT1,Ash-Inst2,SS-Ash-Ins2
5357			Stroke check valve	0.25 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:30	5356	Ash-Inst2,SS-Ash-Ins2
5358			Clear permit	0.25 hrs	Thu 27/04/23 11:30	Thu 27/04/23 11:45	5357	Ash-Inst2,SS-Ash-Ins2
5359		**29ZI 101**	**# A CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Thu 27/04/23 11:45**	**Thu 27/04/23 15:00**	**5350**	
5360			Make out permit	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00		Operations
5361			Accept permit	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	5360	Ash-Inst2,SS-Ash-Ins2
5362			Inspect the system	2 hrs	Thu 27/04/23 12:45	Thu 27/04/23 14:45	5361	Ash-Inst2,SS-Ash-Ins2
5363			Clear permit	0.25 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:00	5362	Ash-Inst2,SS-Ash-Ins2
5364		**29ZI 102**	**# A CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Thu 27/04/23 15:00**	**Thu 27/04/23 17:45**	**5359**	
5365			Make out permit	0.25 hrs	Thu 27/04/23 15:00	Thu 27/04/23 15:15		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5366			Accept permit	0.25 hrs	Thu 27/04/23 15:15	Thu 27/04/23 15:30	5365	Inst (Calc)1
5367			Inspect the system	2 hrs	Thu 27/04/23 15:30	Thu 27/04/23 17:30	5366	Inst (Calc)1
5368			Clear permit	0.25 hrs	Thu 27/04/23 17:30	Thu 27/04/23 17:45	5367	Inst (Calc)1
5369			**# A CO2 COMPRESSOR - Calibrate instruments**	**12.75 hrs**	**Thu 27/04/23 17:45**	**Sat 29/04/23 09:00**	**5364**	
5370			Make out permit	0.25 hrs	Thu 27/04/23 17:45	Thu 27/04/23 18:00		Operations
5371			Accept permit	0.25 hrs	Fri 28/04/23 07:00	Fri 28/04/23 07:15	5370	Inst (Calc)1
5372			Disconnect instruments	1 hr	Fri 28/04/23 07:15	Fri 28/04/23 08:15	5371	Inst (Calc)1
5373			Calibrate instruments	8 hrs	Fri 28/04/23 08:15	Fri 28/04/23 16:45	5372	Inst (Calc)1
5374			Reconnect instruments	3 hrs	Fri 28/04/23 16:45	Sat 29/04/23 08:45	5373	Inst (Calc)1
5375			Clear permit	0.25 hrs	Sat 29/04/23 08:45	Sat 29/04/23 09:00	5374	Inst (Calc)1
5376		**53LC505**	**# CALCINER FLUSH TANK LEVEL - overhaul valve**	**10.25 hrs**	**Wed 19/04/23 08:00**	**Thu 20/04/23 07:45**		
5377			Make out permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
5378			Accept permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	5377	Inst-Comp
5379			Disconnect instruments	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	5378	Inst-Comp
5380			Remove valve	2 hrs	Wed 19/04/23 09:30	Wed 19/04/23 11:30	5379	Comp-FT10,Inst-Comp,G Moeseraela,T Moloi,K Gabar
5381			Overhaul valve	3 hrs	Wed 19/04/23 11:30	Wed 19/04/23 15:00	5380	Aveng,Comp-FT10,Inst-Comp
5382			Install valve	3 hrs	Wed 19/04/23 15:00	Wed 19/04/23 18:00	5381	Aveng,Comp-FT10,Inst-Comp,G Moeseraela,T Moloi,K
5383			Stroke check valve	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	5382	Inst-Comp
5384			Clear permit	0.5 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:45	5383	Inst-Comp
5385		**Area 29A**	**CALCINER - B LINE**	**208.25 hrs**	**Mon 17/04/23 06:30**	**Sat 06/05/23 16:15**		
5386			**OPERATIONS**	**31.5 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 19:30**		
5387		**29B2GR02**	**CALCINER B - Shutdown& Cleaning**	**21.25 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 07:15**		
5388			Organize Hoses Prior	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
5389			Empty Calciner	4 hrs	Mon 17/04/23 06:30	Mon 17/04/23 10:30	5388	Operations
5390			Depressurize The Calciner System	2 hrs	Mon 17/04/23 10:30	Mon 17/04/23 12:30	5389	Operations
5391			Issue Permit	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	5390	Operations
5392			Swing Elbow	1 hr	Mon 17/04/23 12:45	Mon 17/04/23 13:45	5391	M Ramosomana,M Kene
5393			Force Cool	8 hrs	Mon 17/04/23 13:45	Mon 17/04/23 21:45	5392	Operations
5394			Open All Mixer Covers	2 hrs	Tue 18/04/23 07:00	Tue 18/04/23 09:00	5393	M Ramosomana,M Kene
5395			Open Calciner Drain Cover	0.5 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:30	5394	Operations
5396			Open Discharge Screw Bottom Covers	0.5 hrs	Tue 18/04/23 09:30	Tue 18/04/23 10:00	5395	M Ramosomana,M Kene
5397			Run Calciner On Main Drive	0.25 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:15	5396	Operations
5398			Wash Calciner	21 hrs	Tue 18/04/23 10:15	Wed 19/04/23 07:15	5397	Operations
5399			**PLANT STRUCTURE - Washing**	**31.5 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 18:30**		
5400			Wash Calcining plant structure	60 hrs	Mon 17/04/23 06:30	Wed 19/04/23 18:30		Operations
5401		**29B2FB01**	**# B SEAL WATER TANK - Drain& Clean Out Seal Water Tank**	**6.75 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 14:15**		
5402			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
5403			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	5402	M Ramosomana,M Kene
5404			Drain Tank	0.5 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:45	5403	Operations
5405			Open Tank	1 hr	Mon 17/04/23 07:45	Mon 17/04/23 08:45	5404	M Ramosomana,M Kene
5406			Rig Out Cover	1 hr	Mon 17/04/23 08:45	Mon 17/04/23 09:45	5405	M-Crane 7Ton,G Moeseraela,T Moloi,K Gabantogele
5407			Inspect Tank Internals	0.5 hrs	Mon 17/04/23 09:45	Mon 17/04/23 10:15	5406	Inspector
5408			Clean Out Tank	2 hrs	Mon 17/04/23 10:15	Mon 17/04/23 12:15	5407	Operations
5409			Box Up	0.5 hrs	Mon 17/04/23 12:30	Mon 17/04/23 13:00	5408	M Ramosomana,M Kene
5410			Rig In Cover	1 hr	Mon 17/04/23 13:00	Mon 17/04/23 14:00	5409	M-Crane 7Ton,G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5411			Clear Permit	0.25 hrs	Mon 17/04/23 14:00	Mon 17/04/23 14:15	5410	M Ramosomana,M Kene
5412		**29A2EA04**	**# B SCRUBBER CONDENSATE COOLER - Soak For Cleaning**	**5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 12:00**		
5413			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
5414			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	5413	M Ramosomana,M Kene
5415			Soak For Cleaning (Acid Wash)	4 hrs	Mon 17/04/23 07:15	Mon 17/04/23 11:15	5414	Operations
5416			Drain Cooler	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	5415	M Ramosomana,M Kene
5417			Clear Permit	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	5416	M Ramosomana,M Kene
5418		**29B2DK02**	**INSPECTION& CLEANING - Scrubber B**	**31.5 hrs**	**Mon 17/04/23 06:30**	**Wed 19/04/23 19:30**		
5419			Organize Rings Prior	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		Operations
5420			Circulate With Citric Acid	10 hrs	Mon 17/04/23 06:30	Mon 17/04/23 16:30	5419	Operations
5421			Close Water To Sprays	0.25 hrs	Mon 17/04/23 16:30	Mon 17/04/23 16:45	5420	Operations
5422			Close Scrubber Makeup	0.25 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:00	5421	Operations
5423			Drain Scrubber	0.5 hrs	Mon 17/04/23 17:00	Mon 17/04/23 17:30	5422	Operations
5424			Issue Permit	0.25 hrs	Mon 17/04/23 17:30	Mon 17/04/23 17:45	5423	Operations
5425			Open Inspection Covers	2 hrs	Mon 17/04/23 17:45	Tue 18/04/23 08:45	5424	M Ramosomana,M Kene
5426			Carry Out Gas Test	0.5 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:15	5425	Lab
5427			Remove Scrubber Rachet Rings	20 hrs	Tue 18/04/23 09:15	Wed 19/04/23 05:15	5426	Operations
5428			Replace Rachet Rings	14 hrs	Wed 19/04/23 05:15	Wed 19/04/23 19:15	5427	Operations
5429			Clear Permits	0.25 hrs	Wed 19/04/23 19:15	Wed 19/04/23 19:30	5428	Operations
5430			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 07:15**	**Wed 19/04/23 07:15**	**5387**	
5431			Maintenance jobs commence	0 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:15		
5432			**MECHANICAL**	**187 hrs**	**Wed 19/04/23 07:15**	**Sat 06/05/23 16:15**	**5430**	
5433		**29A2GR02**	**# B CALCINER - Replace outlet and rotate inlet trunnion rollers**	**72 hrs**	**Wed 19/04/23 07:15**	**Tue 25/04/23 16:45**		
5434			Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
5435			Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5434	M Ramosomana,M Kene
5436			Carry out risk assesment	0.25 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:00	5435	M Ramosomana,M Kene
5437			Disconnect all lube pipes,mark and blank them	0.5 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:30	5436	M Ramosomana,M Kene
5438			Mark and remove guards	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	5437	M Ramosomana,M Kene
5439			Clean old grease from grease tray	24 hrs	Wed 19/04/23 08:45	Fri 21/04/23 11:45	5438	M Ramosomana,M Kene
5440			Position the jack holders,jacks and pads,then secure in place	0.5 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:45	5439	M Ramosomana,M Kene
5441			Lift calciner with 100T jacks	0.25 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:00	5440	Calc-FT2,Ash(rig),Scal Ft2
5442			Lift the roller frame using the adjusting bolts	0.25 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:15	5441	Calc-FT2,Ash(rig),Scal Ft2
5443			Remove the support for the pin	6 hrs	Fri 21/04/23 13:15	Sat 22/04/23 08:15	5442	M Ramosomana,M Kene
5444			Slide the craddle in position and attach the roller frame to it	6 hrs	Sat 22/04/23 08:15	Sat 22/04/23 14:45	5443	M Ramosomana,M Kene
5445			Support the craddle using the spreader beam	6 hrs	Sat 22/04/23 14:45	Sun 23/04/23 09:45	5444	M Ramosomana,M Kene
5446			Remove the pin locking device(clamp)	6 hrs	Sun 23/04/23 09:45	Sun 23/04/23 16:15	5445	M Ramosomana,M Kene
5447			Loosen the adjusting bolts to create the gap between the tyre and roller	0.5 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:45	5446	M Ramosomana,M Kene
5448			Anchor the chain block and support the pin,then remove the pin	0.5 hrs	Sun 23/04/23 16:45	Sun 23/04/23 17:15	5447	M Ramosomana,M Kene
5449			Lift the craddle to remove the roller frame and place it on a suitable pla	4.25 hrs	Sun 23/04/23 17:15	Mon 24/04/23 10:30	5448	Calc-FT2,Ash(rig),Scal Ft2
5450			Remove the holding down clamps and a locking plate	0.25 hrs	Mon 24/04/23 10:30	Mon 24/04/23 10:45	5449	M Ramosomana,M Kene
5451			Lift the roller and remove it	0.25 hrs	Mon 24/04/23 10:45	Mon 24/04/23 11:00	5450	Calc-FT2,Ash(rig),Scal Ft2
5452			Clean thoroughly,inspect the housing for wear and debur accordinly	0.75 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:45	5451	M Ramosomana,M Kene
5453			Clean the new roller and prepare for assembling	0.75 hrs	Mon 24/04/23 11:45	Mon 24/04/23 13:00	5452	M Ramosomana,M Kene
5454			Lift the new rollers and position them such that flat spot is aligned with the frame	0.25 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:15	5453	Calc-FT2,Ash(rig),Scal Ft2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5455			Replace the holding down clamps and lock them	0.25 hrs	Mon 24/04/23 13:15	Mon 24/04/23 13:30	5454	M Ramosomana,M Kene
5456			Lift the craddle,slide it in position and align the holes(pin hole)	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	5455	Calc-FT2,Ash(rig),Scal Ft2
5457			Position the pin bushes in the housing	2 hrs	Mon 24/04/23 13:45	Mon 24/04/23 15:45	5456	M Ramosomana,M Kene
5458			Anchor the chain block and support the pin.	2 hrs	Mon 24/04/23 15:45	Mon 24/04/23 17:45	5457	M Ramosomana,M Kene
5459			Align the pin with holes and slide it into position and lock it	0.25 hrs	Mon 24/04/23 17:45	Mon 24/04/23 18:00	5458	M Ramosomana,M Kene
5460			Remove the chain block,hoist down the cradle and remove the spreader beam	4 hrs	Tue 25/04/23 07:00	Tue 25/04/23 11:00	5459	M Ramosomana,M Kene
5461			Install pin support frame,then adjust it to the correct position and secur	0.25 hrs	Tue 25/04/23 11:00	Tue 25/04/23 11:15	5460	M Ramosomana,M Kene
5462			Carefully lower the calciner and remove the pads	1 hr	Tue 25/04/23 11:15	Tue 25/04/23 12:45	5461	M Ramosomana,M Kene
5463			Remove the jacks and holders,then scew back the bolts in position	0.5 hrs	Tue 25/04/23 12:45	Tue 25/04/23 13:15	5462	M Ramosomana,M Kene
5464			Replace guards and secure them	0.5 hrs	Tue 25/04/23 13:15	Tue 25/04/23 13:45	5463	M Ramosomana,M Kene
5465			Re connect lube oil pipes	1.5 hrs	Tue 25/04/23 13:45	Tue 25/04/23 15:15	5464	M Ramosomana,M Kene
5466			Carry out house keeping	1 hr	Tue 25/04/23 15:15	Tue 25/04/23 16:15	5465	M Ramosomana,M Kene
5467			Sign off the permit	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	5466	M Ramosomana,M Kene
5468			Clear the permit	0.25 hrs	Tue 25/04/23 16:30	Tue 25/04/23 16:45	5467	M Ramosomana,M Kene
5469		**29A2GL02**	**# B DOUBLE SHAFT MIXER - Weld Housing And Inspect Deva Bearings**	**79.75 hrs**	**Wed 19/04/23 07:15**	**Wed 26/04/23 14:00**		
5470			Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
5471			Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5470	Weld (Ash)
5472			Gouge Out The Worn Out Spiral Supports	30 hrs	Wed 19/04/23 07:45	Fri 21/04/23 17:15	5471	Weld (Ash)
5473			Clean Area,Make It Ready For Welding	24 hrs	Fri 21/04/23 17:15	Mon 24/04/23 09:15	5472	Weld (Ash)
5474			Install The Supports (Replace) & Weld	18 hrs	Mon 24/04/23 09:15	Tue 25/04/23 17:15	5473	Weld (Ash)
5475			Check The Welded Areas For Cracks	6 hrs	Tue 25/04/23 17:15	Wed 26/04/23 12:45	5474	Weld (Ash)
5476			Remove All Equipment Before Turning The Mixture	0.5 hrs	Wed 26/04/23 12:45	Wed 26/04/23 13:15	5475	Weld (Ash)
5477			Inspect Welds	0.5 hrs	Wed 26/04/23 13:15	Wed 26/04/23 13:45	5476	Ramatlhakeng
5478			Clear Permit	0.25 hrs	Wed 26/04/23 13:45	Wed 26/04/23 14:00	5477	M Ramosomana,M Kene
5479		**29A2GL02**	**# B DOUBLE SHAFT MIXER - Replace couplings and service gearbox**	**76.75 hrs**	**Wed 19/04/23 07:15**	**Wed 26/04/23 10:30**		
5480			Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
5481			Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5480	M Ramosomana,M Kene
5482			Remove guard	0.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:15	5481	M Ramosomana,M Kene
5483			Uncouple motor/gearbox	1.5 hrs	Wed 19/04/23 08:15	Wed 19/04/23 09:45	5482	M Ramosomana,M Kene
5484			Remove gearbox mounting bolts	2 hrs	Wed 19/04/23 09:45	Wed 19/04/23 11:45	5483	M Ramosomana,M Kene
5485			Remove output shaft coupling bolts	3 hrs	Wed 19/04/23 11:45	Wed 19/04/23 15:15	5484	Calc-FT6,M Ramatlhakeng,S Monna
5486			Rig out gearbox	2 hrs	Wed 19/04/23 15:15	Wed 19/04/23 17:15	5485	Crane,G Moeseraela,T Moloi
5487			Open and inspect split bearings	12 hrs	Wed 19/04/23 17:15	Fri 21/04/23 07:45	5486	M Ramosomana,M Kene
5488			Open gearbox inspection covers	1 hr	Fri 21/04/23 07:45	Fri 21/04/23 08:45	5487	Calc-FT2,Rig (Ash) 5,Scal Ft2
5489			Inspect gears	0.5 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:15	5488	M Ramosomana,M Kene
5490			If gearbox is faulty, transport to workshop	0.5 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:45	5489	M Ramosomana,M Kene
5491			Drain oil	1 hr	Fri 21/04/23 09:45	Fri 21/04/23 10:45	5490	M Ramosomana,M Kene
5492			Remove half coupling	4 hrs	Fri 21/04/23 10:45	Fri 21/04/23 15:15	5491	M Ramosomana,M Kene
5493			Strip gearbox	10 hrs	Fri 21/04/23 15:15	Sat 22/04/23 14:45	5492	M Ramosomana,M Kene
5494			Inspect output shaft bearings	1 hr	Sat 22/04/23 14:45	Sat 22/04/23 15:45	5493	M Ramosomana,M Kene
5495			Replace worn out parts	10 hrs	Sat 22/04/23 15:45	Sun 23/04/23 15:15	5494	M Ramosomana,M Kene
5496			Clean shafts	1.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 16:45	5495	M Ramosomana,M Kene
5497			Box up gearbox	2 hrs	Sun 23/04/23 16:45	Mon 24/04/23 07:45	5496	M Ramosomana,M Kene
5498			Fit gearbox half coupling	6 hrs	Mon 24/04/23 07:45	Mon 24/04/23 14:15	5497	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5499			Transport gearbox to plant	0.5 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:45	5498	Crane lorry,G Moeseraela,T Moloi
5500			Fit couplings onto the screws	6 hrs	Mon 24/04/23 14:45	Tue 25/04/23 09:45	5499	M Ramosomana,M Kene
5501			Rig in and mount gearbox	2 hrs	Tue 25/04/23 09:45	Tue 25/04/23 11:45	5500	Crane,G Moeseraela,T Moloi
5502			Couple gearbox and screws	4 hrs	Tue 25/04/23 11:45	Tue 25/04/23 16:15	5501	M Ramosomana,M Kene
5503			Couple gearbox / motor	2 hrs	Tue 25/04/23 16:15	Wed 26/04/23 07:15	5502	M Ramosomana,M Kene,G Moeseraela,T Moloi,M Ra
5504			Check alignment	1 hr	Wed 26/04/23 07:15	Wed 26/04/23 08:15	5503	M Ramosomana,M Kene
5505			Replace vee belts	1 hr	Wed 26/04/23 08:15	Wed 26/04/23 09:15	5504	M Ramosomana,M Kene
5506			Replace vee belt guards	1 hr	Wed 26/04/23 09:15	Wed 26/04/23 10:15	5505	Calc-FT2,Rig (Ash) 5,Scal Ft2,M-Crane 7Ton
5507			Clear permit	0.25 hrs	Wed 26/04/23 10:15	Wed 26/04/23 10:30	5506	M Ramosomana,M Kene
5508		**29A2GR02**	**# B CALCINER - Inspect and replace inlet & outlet Deva Segments & Wear Plates**	**95.75 hrs**	**Wed 19/04/23 07:15**	**Fri 28/04/23 08:30**		
5509			Erect Platform At The Inlet End (Prior)	0 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:15		G Moeseraela,T Moloi,K Gabantogele
5510			Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30	5509	Operations
5511			Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5510	Scal Ft4,M Ramosomana,M Kene
5512			Conduct risk accessment	8 hrs	Wed 19/04/23 07:45	Wed 19/04/23 16:15	5511	Scal Ft4,M Ramosomana,M Kene
5513			Cut Out Bolts On Inlet End	12 hrs	Wed 19/04/23 16:15	Thu 20/04/23 17:45	5512	M Ramatlhakeng,S Monna
5514			Remove And Replace Deva Segments Inlet End	12 hrs	Thu 20/04/23 17:45	Sat 22/04/23 08:15	5513	Scal Ft4,M Ramosomana,M Kene
5515			Replace Wear Plates Inlet End	12 hrs	Sat 22/04/23 08:15	Sun 23/04/23 09:45	5514	Scal Ft4,M Ramosomana,M Kene
5516			Replace Ptfe Segments	3 hrs	Sun 23/04/23 09:45	Sun 23/04/23 13:15	5515	Scal Ft4,M Ramosomana,M Kene
5517			Cut Off Bolts On Discharge End (Stainless Steel)	12 hrs	Sun 23/04/23 13:15	Mon 24/04/23 14:45	5516	M Ramatlhakeng,S Monna
5518			Remove And Replace Inner Deva Segments Discharge End	12 hrs	Mon 24/04/23 14:45	Tue 25/04/23 16:15	5517	Scal Ft4,M Ramosomana,M Kene
5519			Remove And Replace Inner Wear Plates Discharge End	12 hrs	Tue 25/04/23 16:15	Wed 26/04/23 17:45	5518	Scal Ft4,M Ramosomana,M Kene
5520			Remove And Replace Outer Deva Segments Discharge End	12 hrs	Wed 26/04/23 17:45	Fri 28/04/23 08:15	5519	Scal Ft4,M Ramosomana,M Kene
5521			Clear Permit	0.25 hrs	Fri 28/04/23 08:15	Fri 28/04/23 08:30	5520	Scal Ft4,M Ramosomana,M Kene
5522		**29A2RM04**	**# B BICARBONATE STAR FEEDER - Overhaul Star Feeder**	**36.5 hrs**	**Wed 26/04/23 10:30**	**Sat 29/04/23 16:00**	**5479**	
5523			Make Out Permit	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45		Operations
5524			Accept Permit	0.25 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:00	5523	M Ramosomana,M Kene
5525			Carry Out Risk Assessment	0.25 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:15	5524	Calc-FT5,Rig (Ash) 5,Scal Ft5,Operations
5526			Isolate And Lock Out	0.25 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:30	5525	Operations
5527			Remove The Geared Unit	1 hr	Wed 26/04/23 11:30	Wed 26/04/23 13:00	5526	Rig (Ash) 5,M Ramosomana,M Kene
5528			Remove All Mounting Bolts	1 hr	Wed 26/04/23 13:00	Wed 26/04/23 14:00	5527	M Ramosomana,M Kene
5529			Rig Out The Star Feeder	2 hrs	Wed 26/04/23 14:00	Wed 26/04/23 16:00	5528	G Moeseraela,T Moloi,K Gabantogele
5530			Transport To The Workshop	0.5 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:30	5529	Rig (Ash) 5,M Ramosomana,M Kene
5531			Overhaul The Star Feeder	24 hrs	Wed 26/04/23 16:30	Sat 29/04/23 08:30	5530	M Ramosomana,M Kene
5532			Transport To The Plant For Installation	0.5 hrs	Sat 29/04/23 08:30	Sat 29/04/23 09:00	5531	Calc-FT5,Rig (Ash) 5,Scal Ft5
5533			Install And Secure The Star Feeder And Ancillaries	6 hrs	Sat 29/04/23 09:00	Sat 29/04/23 15:30	5532	Calc-FT5,Rig (Ash) 5,Scal Ft5
5534			Carry Out House Keeping	0.25 hrs	Sat 29/04/23 15:30	Sat 29/04/23 15:45	5533	Elec (Ash),Rig (Ash) 5,Calc-FT7
5535			Clear Permit	0.25 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:00	5534	M Ramosomana,M Kene
5536		**29A2GL02**	**# B DOUBLE SHAFT MIXER - Carry Out Inspection on screws**	**36.25 hrs**	**Sat 29/04/23 16:00**	**Wed 03/05/23 09:45**	**5522**	
5537			Make Out Permit	0.25 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:15		Operations
5538			Accept Permit	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30	5537	M Ramosomana,M Kene
5539			Carry Out Risk Assesment	0.25 hrs	Sat 29/04/23 16:30	Sat 29/04/23 16:45	5538	Scal Ft4,M Ramosomana,M Kene
5540			Open The Manhole Cover	0.5 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:15	5539	Scal Ft4,M Ramosomana,M Kene
5541			Perform Gas Test	0.25 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:30	5540	Lab

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5542			Enter And Inspect The Screw For Craks,Physical Damage And Deformation(Crack Test To Be Done Using The Dye Penetrant Method)	2 hrs	Sat 29/04/23 17:30	Sun 30/04/23 08:30	5541	Scal Ft4,M Ramosomana,M Kene,M Ramatlhakeng,S Monna
5543			Check If All Bolts Are In A Proper Position And Not Worn Out Or Brocken(Paddles,Flange And Pedestal Mouting Bolts)	3 hrs	Sun 30/04/23 08:30	Sun 30/04/23 11:30	5542	Scal Ft4,M Ramosomana,M Kene,M Ramatlhakeng,S Monna
5544			Check Deva Bearings For Physical Damage,Wear And Change If Necessar	2 hrs	Sun 30/04/23 11:30	Sun 30/04/23 14:00	5543	Scal Ft4,M Ramosomana,M Kene
5545			Confirm Clearances Between The Journal And The Bearing(0.5Mm)	2 hrs	Sun 30/04/23 14:00	Sun 30/04/23 16:00	5544	Scal Ft4,M Ramosomana,M Kene
5546			Disconnect Lube Pipes And Check Pipes For Blockages	2 hrs	Sun 30/04/23 16:00	Sun 30/04/23 18:00	5545	Scal Ft4,M Ramosomana,M Kene
5547			Clean The Oil Gallery And Blow With Compressed Air	0.5 hrs	Mon 01/05/23 07:00	Mon 01/05/23 07:30	5546	Scal Ft4,M Ramosomana,M Kene
5548			Connect The Manual Pump To The Supply Port	0.25 hrs	Mon 01/05/23 07:30	Mon 01/05/23 07:45	5547	Scal Ft4,M Ramosomana,M Kene
5549			Pump Oil Manually And Check If It Flows Out From The Other End,Then Reconnect The Pipes And Pump Again To See If It Will Flow Through The Bearing Hole	2 hrs	Mon 01/05/23 07:45	Mon 01/05/23 09:45	5548	Scal Ft4,M Ramosomana,M Kene
5550			Normalize And Box Up If Ok Or Continue As Follows	1 hr	Mon 01/05/23 09:45	Mon 01/05/23 10:45	5549	Scal Ft4,M Ramosomana,M Kene
5551			Secure The Shafts Using Chain Block	0.5 hrs	Mon 01/05/23 10:45	Mon 01/05/23 11:15	5550	Rig (Ash) 5,Scal Ft4,M Ramosomana,M Kene
5552			Cut The Securing Bolts And Remove The Bottom Shell(Intermediate Shaf	3 hrs	Mon 01/05/23 11:15	Mon 01/05/23 14:45	5551	Calc-FT10,Cal-SSFT10,G Moeseraela,T Moloi,M Ramat
5553			Lower The Shaft To Enable Easy Removal Of The Top Bearing Halves	2 hrs	Mon 01/05/23 14:45	Mon 01/05/23 16:45	5552	Scal Ft4,M Ramosomana,M Kene
5554			Install New Bearing Halves(Top Bearing)	2 hrs	Mon 01/05/23 16:45	Tue 02/05/23 07:45	5553	Scal Ft4,M Ramosomana,M Kene
5555			Lift The Shaft(Care Should Be Taken Not To Break The Top Bearing Half.Allow For A 1Mm Clearance	0.5 hrs	Tue 02/05/23 07:45	Tue 02/05/23 08:15	5554	Scal Ft4,M Ramosomana,M Kene
5556			Position The Bearing Halves On The Bottom Shell And Align Oil Galleries And Mount It,Then Secure With Bolts And Nuts	1 hr	Tue 02/05/23 08:15	Tue 02/05/23 09:15	5555	Scal Ft4,M Ramosomana,M Kene
5557			Place A 3Mm Shim Between The Shells And Secure Accordingly	1 hr	Tue 02/05/23 09:15	Tue 02/05/23 10:15	5556	Scal Ft4,M Ramosomana,M Kene
5558			Support The Screw To Allow Easy Removal Of The Inner Bearing	0.5 hrs	Tue 02/05/23 10:15	Tue 02/05/23 10:45	5557	Scal Ft4,M Ramosomana,M Kene
5559			Disconnect Lube Pipe,Cut The Bolts And Remove Bearing Assembly	2 hrs	Tue 02/05/23 10:45	Tue 02/05/23 13:15	5558	Scal Ft4,M Ramosomana,M Kene,G Moeseraela,T Mol
5560			Inspect The Stub,Remove And Recondition If Worn Out	2 hrs	Tue 02/05/23 13:15	Tue 02/05/23 15:15	5559	Scal Ft4,M Ramosomana,M Kene,G Moeseraela,T Mol
5561			Loosen The Locking Bolt And Remove The Deva Brng From Housing	1 hr	Tue 02/05/23 15:15	Tue 02/05/23 16:15	5560	Scal Ft4,M Ramosomana,M Kene
5562			Install Pedestal,New Deva Bearing And Secure	1 hr	Tue 02/05/23 16:15	Tue 02/05/23 17:15	5561	Scal Ft4,M Ramosomana,M Kene
5563			Repeat Step 11,12 & 13 And Connect Lube Pipes	1 hr	Tue 02/05/23 17:15	Wed 03/05/23 07:15	5562	Scal Ft4,M Ramosomana,M Kene
5564			Weld All Nuts To Lock Them	1 hr	Wed 03/05/23 07:15	Wed 03/05/23 08:15	5563	Scal Ft4,M Ramosomana,M Kene,M Ramatlhakeng,S M
5565			Carry Out Housekeeping And Sign Off The Permit	0.5 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:45	5564	Scal Ft4,M Ramosomana,M Kene
5566			Obtain The Test Run Permit,Run And Oberve All Parameters	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	5565	Scal Ft4,M Ramosomana,M Kene
5567			Stop And Box Up The Covers,Then Sign Off The Test Permit	0.5 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:30	5566	Scal Ft4,M Ramosomana,M Kene
5568			Clear The Permit	0.25 hrs	Wed 03/05/23 09:30	Wed 03/05/23 09:45	5567	Scal Ft4,M Ramosomana,M Kene
5569		**29A2GR02**	**# B CALCINER - Repair Trunnion Roller guards**	**17 hrs**	**Thu 04/05/23 14:15**	**Sat 06/05/23 09:45**	**5819**	
5570			Make out permit	0.25 hrs	Thu 04/05/23 14:15	Thu 04/05/23 14:30		Operations
5571			Accept permit	0.25 hrs	Thu 04/05/23 14:30	Thu 04/05/23 14:45	5570	M Ramosomana,M Kene
5572			Repair/Refurbish guards	10 hrs	Thu 04/05/23 14:45	Fri 05/05/23 14:15	5571	M Ramosomana,M Kene
5573			Curing time	6 hrs	Fri 05/05/23 14:15	Sat 06/05/23 09:15	5572	
5574			House keeping	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	5573	M Ramosomana,M Kene
5575			Clear permit	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45	5574	M Ramosomana,M Kene
5576		**29A2GR02**	**# B CALCINER - Replace Vent Valves (3 off)**	**8 hrs**	**Tue 25/04/23 16:45**	**Wed 26/04/23 14:15**	**5433**	
5577			Make out permit	0.25 hrs	Tue 25/04/23 16:45	Tue 25/04/23 17:00		Operations
5578			Accept permit	0.25 hrs	Tue 25/04/23 17:00	Tue 25/04/23 17:15	5577	M Ramosomana,M Kene
5579			Loosen all bolts	2.5 hrs	Tue 25/04/23 17:15	Wed 26/04/23 08:45	5578	M Ramosomana,M Kene
5580			Remove old valves and pipes for modification	1 hr	Wed 26/04/23 08:45	Wed 26/04/23 09:45	5579	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5581			Clean flange faces	1 hr	Wed 26/04/23 09:45	Wed 26/04/23 10:45	5580	M Ramosomana,M Kene
5582			Install new valves and new gasket	1 hr	Wed 26/04/23 10:45	Wed 26/04/23 11:45	5581	M Ramosomana,M Kene
5583			Tighten all bolts	1 hr	Wed 26/04/23 11:45	Wed 26/04/23 13:15	5582	M Ramosomana,M Kene
5584			Box up	0.5 hrs	Wed 26/04/23 13:15	Wed 26/04/23 13:45	5583	M Ramosomana,M Kene
5585			House keeping	0.25 hrs	Wed 26/04/23 13:45	Wed 26/04/23 14:00	5584	M Ramosomana,M Kene
5586			Clear permit	0.25 hrs	Wed 26/04/23 14:00	Wed 26/04/23 14:15	5585	M Ramosomana,M Kene
5587		**29A2GR02**	**# B CALCINER - Drain, Flush And Refill Calciner Gear/Pinion Reservoir**	**8.25 hrs**	**Wed 26/04/23 14:15**	**Thu 27/04/23 11:30**	**5576**	
5588			Make Out Permit	0.25 hrs	Wed 26/04/23 14:15	Wed 26/04/23 14:30		Operations
5589			Accept Permit	0.25 hrs	Wed 26/04/23 14:30	Wed 26/04/23 14:45	5588	M Ramosomana,M Kene
5590			Drain, Flush Calciner Gear/Pinion Reservoir	4 hrs	Wed 26/04/23 14:45	Thu 27/04/23 07:45	5589	M Ramosomana,M Kene
5591			Refill With New Oil	0.5 hrs	Thu 27/04/23 07:45	Thu 27/04/23 08:15	5590	M Ramosomana,M Kene
5592			Grease Equipment As Required	3 hrs	Thu 27/04/23 08:15	Thu 27/04/23 11:15	5591	M Ramosomana,M Kene
5593			Clear Permit	0.25 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:30	5592	M Ramosomana,M Kene
5594		**29AS3GR0**	**# B CALCINER - Overhaul Calciner Air Cylinders**	**42.5 hrs**	**Thu 27/04/23 11:30**	**Mon 01/05/23 12:00**	**5587**	
5595			Make Out Permit	0.25 hrs	Thu 27/04/23 11:30	Thu 27/04/23 11:45		Operations
5596			Accept Permit	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	5595	M Ramosomana,M Kene
5597			Carry Out Risk Assesment	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	5596	M Ramosomana,M Kene
5598			Close Or Isolate Air To The Cylinders	2 hrs	Thu 27/04/23 12:45	Thu 27/04/23 14:45	5597	M Ramosomana,M Kene
5599			Disconnect The All Air Pipes	4 hrs	Thu 27/04/23 14:45	Fri 28/04/23 07:45	5598	M Ramosomana,M Kene
5600			Remove Anchor Bolts And Cylinders	2 hrs	Fri 28/04/23 07:45	Fri 28/04/23 09:45	5599	M Ramosomana,M Kene
5601			Transport Cylinders To The Workshop	0.5 hrs	Fri 28/04/23 09:45	Fri 28/04/23 10:15	5600	M Ramosomana,M Kene
5602			Open, Inspect And Replace Damaged Parts(Piston Rings, Seals And Springs) 8 Off Then Close	20 hrs	Fri 28/04/23 10:15	Sun 30/04/23 09:15	5601	M Ramosomana,M Kene
5603			Transport Cylinders Back To Plant	0.5 hrs	Sun 30/04/23 09:15	Sun 30/04/23 09:45	5602	M Ramosomana,M Kene
5604			Reinstall In Position And Secure	8 hrs	Sun 30/04/23 09:45	Mon 01/05/23 07:15	5603	M Ramosomana,M Kene
5605			Connect Air Pipes,Open Air To Cylinders And Check For Leaks	4 hrs	Mon 01/05/23 07:15	Mon 01/05/23 11:15	5604	M Ramosomana,M Kene
5606			Carry Out Housekeeping	0.25 hrs	Mon 01/05/23 11:15	Mon 01/05/23 11:30	5605	M Ramosomana,M Kene
5607			Sign Off The Permit	0.25 hrs	Mon 01/05/23 11:30	Mon 01/05/23 11:45	5606	M Ramosomana,M Kene
5608			Clear Permit	0.25 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:00	5607	M Ramosomana,M Kene
5609		**29A2GR02**	**# B CALCINER - Dress Teeth On The Girth And Pinion Gears And Tyre**	**56.25 hrs**	**Mon 01/05/23 12:00**	**Sat 06/05/23 16:15**	**5594**	
5610			Make Out Permit	0.25 hrs	Mon 01/05/23 12:00	Mon 01/05/23 12:15		Operations
5611			Accept Permit	0.5 hrs	Mon 01/05/23 12:30	Mon 01/05/23 13:00	5610	M Ramosomana,M Kene
5612			Remove Guards	3 hrs	Mon 01/05/23 13:00	Mon 01/05/23 16:00	5611	Rig (Ash) 5,M Ramosomana,M Kene
5613			Clean Grease On Girthgear Teeth And The Tyre	3 hrs	Mon 01/05/23 16:00	Tue 02/05/23 08:00	5612	M Ramosomana,M Kene
5614			Mark The First Teeth,Rotate Calciner And Dress One Teeth After Anothe	24 hrs	Tue 02/05/23 08:00	Thu 04/05/23 11:00	5613	Furmanite,M Ramosomana,M Kene
5615			Simulteneously Dress The Tyre	24 hrs	Thu 04/05/23 11:00	Sat 06/05/23 14:30	5614	Furmanite
5616			Replace Guards	1.5 hrs	Sat 06/05/23 14:30	Sat 06/05/23 16:00	5615	M Ramosomana,M Kene
5617			Clear Permit	0.25 hrs	Sat 06/05/23 16:00	Sat 06/05/23 16:15	5616	M Ramosomana,M Kene
5618		**29A2GB03**	**# B CALCINER MAIN DRIVE GEARBOX - Carry Out Inspection And Service**	**38.75 hrs**	**Fri 28/04/23 08:30**	**Mon 01/05/23 16:15**	**5508**	
5619			Clean (prior)	0 hrs	Fri 28/04/23 08:30	Fri 28/04/23 08:30		Operations
5620			Make out permit	0.25 hrs	Fri 28/04/23 08:30	Fri 28/04/23 08:45	5619	Operations
5621			Accept permit	0.25 hrs	Fri 28/04/23 08:45	Fri 28/04/23 09:00	5620	Scal Ft4,M Ramosomana,M Kene
5622			Carry out risk assement	0.25 hrs	Fri 28/04/23 09:00	Fri 28/04/23 09:15	5621	Scal Ft4,M Ramosomana,M Kene
5623			Open inspection covers	1 hr	Fri 28/04/23 09:15	Fri 28/04/23 10:15	5622	Calc-FT2,Rig (Ash) 5,Scal Ft2
5624			Drain oil	1 hr	Fri 28/04/23 10:15	Fri 28/04/23 11:15	5623	Scal Ft4,M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5625			Inspect gears	0.5 hrs	Fri 28/04/23 11:15	Fri 28/04/23 11:45	5624	Scal Ft4,M Ramosomana,M Kene
5626			If not in good condion,	0 hrs	Fri 28/04/23 11:45	Fri 28/04/23 11:45	5625	Scal Ft4,M Ramosomana,M Kene
5627			Strip gearbox	12 hrs	Fri 28/04/23 11:45	Sat 29/04/23 13:45	5626	Scal Ft4,M Ramosomana,M Kene
5628			replace worn out parts	10 hrs	Sat 29/04/23 13:45	Sun 30/04/23 13:15	5627	Scal Ft4,M Ramosomana,M Kene
5629			Inspect coupling	1 hr	Sun 30/04/23 13:15	Sun 30/04/23 14:15	5628	Scal Ft4,M Ramosomana,M Kene
5630			replace coupling bushes & pins	3 hrs	Sun 30/04/23 14:15	Sun 30/04/23 17:15	5629	Scal Ft4,M Ramosomana,M Kene
5631			Inspect output shaft bearings	2 hrs	Sun 30/04/23 17:15	Mon 01/05/23 08:15	5630	Scal Ft4,M Ramosomana,M Kene
5632			Inspect v-belts and pulleys	2 hrs	Mon 01/05/23 08:15	Mon 01/05/23 10:15	5631	Scal Ft4,M Ramosomana,M Kene
5633			Possibly replace worn out pulleys and drive belts	3 hrs	Mon 01/05/23 10:15	Mon 01/05/23 13:45	5632	Scal Ft4,M Ramosomana,M Kene
5634			Replace v-belt guards	1 hr	Mon 01/05/23 13:45	Mon 01/05/23 14:45	5633	Calc-FT2,Rig (Ash) 5,Scal Ft2,M-Crane 7Ton
5635			Refill oil	1 hr	Mon 01/05/23 14:45	Mon 01/05/23 15:45	5634	Scal Ft4,M Ramosomana,M Kene
5636			House keeping	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	5635	Scal Ft4,M Ramosomana,M Kene
5637			Clear permit	0.25 hrs	Mon 01/05/23 16:00	Mon 01/05/23 16:15	5636	Operations
5638		**29A2GR02**	**# B CALCINER (STEAM HEAD) - Overhaul The Steam Head**	**43 hrs**	**Mon 01/05/23 16:15**	**Fri 05/05/23 17:15**	**5618**	
5639			Make Out Permit	0.25 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:30		Operations
5640			Accept Permit	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45	5639	Scal Ft4,M Ramosomana,M Kene
5641			Carry Out Risk Assesment	0.25 hrs	Mon 01/05/23 16:45	Mon 01/05/23 17:00	5640	Calc-FT5,Scal Ft5,Operations
5642			Isolate And Lock Out	0.25 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:15	5641	Operations
5643			Strip Out Steam Head	4 hrs	Mon 01/05/23 17:15	Tue 02/05/23 10:15	5642	Scal Ft4,M Ramosomana,M Kene
5644			Rig Out And Transport To Workshop	2 hrs	Tue 02/05/23 10:15	Tue 02/05/23 12:45	5643	7T Truck,M-Crane 30Ton,G Moeseraela,T Moloi,K Gab
5645			Check For Cracks And Repair If Necessary	2 hrs	Tue 02/05/23 12:45	Tue 02/05/23 14:45	5644	M Ramatlhakeng,S Monna
5646			Preheat Weld Area	1 hr	Tue 02/05/23 14:45	Tue 02/05/23 15:45	5645	M Ramatlhakeng,S Monna
5647			Weld Cracks	3 hrs	Tue 02/05/23 15:45	Wed 03/05/23 07:45	5646	Weld (Ash)
5648			Allow For Cooling	1.5 hrs	Wed 03/05/23 07:45	Wed 03/05/23 09:15	5647	M Ramatlhakeng,S Monna
5649			Crack Testing	3 hrs	Wed 03/05/23 09:15	Wed 03/05/23 12:45	5648	Scal Ft4,M Ramosomana,M Kene
5650			Overhaul The Steam Head	18 hrs	Wed 03/05/23 12:45	Fri 05/05/23 09:15	5649	Scal Ft4,M Ramosomana,M Kene
5651			Transport To Site	1 hr	Fri 05/05/23 09:15	Fri 05/05/23 10:15	5650	7T Truck,G Moeseraela,T Moloi,K Gabantogele
5652			Install	4 hrs	Fri 05/05/23 10:15	Fri 05/05/23 14:45	5651	Calc-FT5,Rig (Ash) 5,Scal Ft5,M-Crane 30Ton
5653			Box Up	2 hrs	Fri 05/05/23 14:45	Fri 05/05/23 16:45	5652	Scal Ft4,M Ramosomana,M Kene
5654			Carry Out House Keeping	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	5653	Rig (Ash) 5,Scal Ft4,Operations,M Ramosomana,M Ke
5655			Clear Permit	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	5654	Scal Ft4,M Ramosomana,M Kene
5656		**29A2GR02**	**# B CALCINER - CALCINER LAGGING**	**27.75 hrs**	**Wed 19/04/23 07:15**	**Fri 21/04/23 14:30**		
5657			Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
5658			Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5657	Lagging Contractor
5659			Remove old lagging	12 hrs	Wed 19/04/23 07:45	Thu 20/04/23 09:15	5658	Lagging Contractor
5660			Install new lagging	12 hrs	Thu 20/04/23 09:15	Fri 21/04/23 10:45	5659	Lagging Contractor
5661			Housekeeping	3 hrs	Fri 21/04/23 10:45	Fri 21/04/23 14:15	5660	Lagging Contractor
5662			Clear permit	0.25 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:30	5661	Lagging Contractor
5663		**29A2RM06**	**# B DISCHARGE STAR FEEDER - Carry Out Inspection**	**9 hrs**	**Fri 05/05/23 17:15**	**Sat 06/05/23 15:45**	**5638**	
5664			Make Out Permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30		Operations
5665			Accept Permit	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	5664	Scal Ft4,M Ramosomana,M Kene
5666			Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	5665	Scal Ft4,M Ramosomana,M Kene
5667			Open Inspection Cover	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	5666	Scal Ft4,M Ramosomana,M Kene
5668			Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:45	5667	Scal Ft4,M Ramosomana,M Kene
5669			Stop And Close The Inspection Cover.	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	5668	Scal Ft4,M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5670			Sign Off Permit If Everything Is In Order.	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	5669	Scal Ft4,M Ramosomana,M Kene
5671			When There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	5670	Scal Ft4,M Ramosomana,M Kene
5672			Loosen And Remove Guards	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	5671	Scal Ft4,M Ramosomana,M Kene
5673			Put Extension Pads On The Jacks	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	5672	Scal Ft4,M Ramosomana,M Kene
5674			Remove Mounting Bolts	0.5 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:30	5673	Scal Ft4,M Ramosomana,M Kene
5675			Rig Out The Star Feeder And Safely Put It Aside	2 hrs	Sat 06/05/23 09:30	Sat 06/05/23 11:30	5674	M-Crane 60Ton,G Moeseraela,T Moloi
5676			Clean The Chute Faces And Apply Sealing Compound Or Glass Tape	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45	5675	Scal Ft4,M Ramosomana,M Kene
5677			Inspect The New Star Feeder To Check If It Is Rotating Freely And The Gap Between The Rotor And Housing Is Set Corretly(2Mm)	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	5676	Scal Ft4,M Ramosomana,M Kene
5678			Rig In Position The New Or Reconditioned Star Feeder And Secure	2 hrs	Sat 06/05/23 12:30	Sat 06/05/23 14:30	5677	M-Crane 60Ton,Calc-FT10,Cal-SSFT10,G Moeseraela,T
5679			Align The Geared Unit Coupling And The Star Feeder	0.5 hrs	Sat 06/05/23 14:30	Sat 06/05/23 15:00	5678	Scal Ft4,M Ramosomana,M Kene
5680			Replace Guards	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	5679	Scal Ft4,M Ramosomana,M Kene
5681			Carry Out House Keeping	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	5680	Scal Ft4,M Ramosomana,M Kene
5682			Clear The Permit	0.25 hrs	Sat 06/05/23 15:30	Sat 06/05/23 15:45	5681	Scal Ft4,M Ramosomana,M Kene
5683		**29A2RF08**	**# B DISCHARGE SCREW CONVEYOR - Inspect Screw**	**33.25 hrs**	**Wed 03/05/23 09:45**	**Sat 06/05/23 11:30**	**5536**	
5684			Make Out Permit	0.25 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:00		Operations
5685			Accept Permit	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15	5684	Scal Ft4,M Ramosomana,M Kene
5686			Remove Old Packings (Labyrinth Seal)	0.5 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:45	5685	Scal Ft4,M Ramosomana,M Kene
5687			Uncouple the screw from the geared unit	1.5 hrs	Wed 03/05/23 10:45	Wed 03/05/23 12:45	5686	Scal Ft4,M Ramosomana,M Kene
5688			Drain Gearbox Oil	1 hr	Wed 03/05/23 12:45	Wed 03/05/23 13:45	5687	Scal Ft4,M Ramosomana,M Kene
5689			Loosen all geared unit mounting bolts	0.5 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:15	5688	Scal Ft4,M Ramosomana,M Kene
5690			Rig out geared unit	1 hr	Wed 03/05/23 14:15	Wed 03/05/23 15:15	5689	O/H crane,G Moeseraela,T Moloi
5691			Remove non-drive end bearing	1 hr	Wed 03/05/23 15:15	Wed 03/05/23 16:15	5690	Scal Ft4,M Ramosomana,M Kene
5692			Remove drive end bearing	1 hr	Wed 03/05/23 16:15	Wed 03/05/23 17:15	5691	Scal Ft4,M Ramosomana,M Kene
5693			Remove drive end casing cover	1 hr	Wed 03/05/23 17:15	Thu 04/05/23 07:15	5692	Scal Ft4,M Ramosomana,M Kene
5694			Rig out the Screw	6 hrs	Thu 04/05/23 07:15	Thu 04/05/23 13:45	5693	O/H crane,G Moeseraela,T Moloi
5695			Inspect And Replace Bellow If Holed	6 hrs	Thu 04/05/23 13:45	Fri 05/05/23 08:45	5694	Scal Ft4,M Ramosomana,M Kene,M Ramatlhakeng,S M
5696			Straighten Bent Flights	2 hrs	Fri 05/05/23 08:45	Fri 05/05/23 10:45	5695	Rig (Ash) 5,Scal Ft4,M Ramosomana,M Kene,M Ramat
5697			Install Screw	5 hrs	Fri 05/05/23 10:45	Fri 05/05/23 16:15	5696	M-Crane 30Ton,M Ramosomana,M Kene,G Moeserae
5698			Install bearings,Clean Out & Repack	4 hrs	Fri 05/05/23 16:15	Sat 06/05/23 09:15	5697	Scal Ft4,M Ramosomana,M Kene
5699			Install New Packings	1 hr	Sat 06/05/23 09:15	Sat 06/05/23 10:15	5698	Scal Ft4,M Ramosomana,M Kene
5700			Refill oil	1 hr	Sat 06/05/23 10:15	Sat 06/05/23 11:15	5699	Scal Ft4,M Ramosomana,M Kene
5701			Clear Permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	5700	Scal Ft4,M Ramosomana,M Kene
5702		**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Inspect And Replace Chain**	**54 hrs**	**Wed 19/04/23 07:15**	**Mon 24/04/23 08:45**		
5703			Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
5704			Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5703	M Ramosomana,M Kene
5705			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:00	5704	M Ramosomana,M Kene
5706			Open The Top Covers Next To The Tail End Where The Operation Of Changing Flights Is Going To Take Place	1 hr	Wed 19/04/23 08:00	Wed 19/04/23 09:00	5705	M Ramosomana,M Kene
5707			Install decontamination controls	6 hrs	Wed 19/04/23 09:00	Wed 19/04/23 15:30	5706	Nicholas
5708			Run The Chain Conveyor To Identify Damaged Links And Mark Them	1 hr	Wed 19/04/23 15:30	Wed 19/04/23 16:30	5707	Calc-FT6,Scal Ft6,Operations
5709			Position A Section Of The Flights To Be Removed	0.5 hrs	Wed 19/04/23 16:30	Wed 19/04/23 17:00	5708	M Ramosomana,M Kene
5710			Isolate The Conveyor And Lock It	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	5709	Operations
5711			Lift The Counter Weight To Slack The Chain	0.5 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:45	5710	G Moeseraela,T Moloi,K Gabantogele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5712			Perform Crack Test Using Dye Penetrant Method On The Links 0.25/Link X 422	2 hrs	Wed 19/04/23 17:45	Thu 20/04/23 08:45	5711	M Ramosomana,M Kene
5713			Cut The Pin Coller,Knock Out The Pin And Remove The Link	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00	5712	M Ramatlhakeng,S Monna
5714			Position The Link,Insert The Pin And Lock It By Welding	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	5713	Calc-FT6,M Ramatlhakeng,S Monna
5715			Drop The Counterweight	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	5714	G Moeseraela,T Moloi,K Gabantogele
5716			De Isolate The Chain And Run It To Position The Next Batch Of Links To Be Removed	0.5 hrs	Thu 20/04/23 09:30	Thu 20/04/23 10:00	5715	Operations
5717			Repeat Steps,7,8,9,10,11 ,12 And 13 Untill Completion	9 hrs	Thu 20/04/23 10:00	Fri 21/04/23 08:00	5716	Calc-FT6,Scal Ft6,Operations,G Moeseraela,T Moloi
5718			Apply Sealant And Close The Covers	1 hr	Fri 21/04/23 08:00	Fri 21/04/23 09:00	5717	M Ramosomana,M Kene
5719			Open Tail Plummer Blocks And Clean Old Grease	1 hr	Fri 21/04/23 09:00	Fri 21/04/23 10:00	5718	M Ramosomana,M Kene
5720			Inspect All The Bearings And Pack With Grease Or Change If Necessary	5 hrs	Fri 21/04/23 10:00	Fri 21/04/23 15:30	5719	M Ramosomana,M Kene
5721			Replace Tail End sprocket & Bearings	2 hrs	Fri 21/04/23 15:30	Fri 21/04/23 17:30	5720	M Ramosomana,M Kene
5722			Open The Drive End Bearings,Clean,Inspect,Repack And Change If Necessary	0.5 hrs	Fri 21/04/23 17:30	Fri 21/04/23 18:00	5721	M Ramosomana,M Kene
5723			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:30	5722	M Ramosomana,M Kene
5724			Inspect The Fluid Coupling	0.5 hrs	Sat 22/04/23 07:30	Sat 22/04/23 08:00	5723	M Ramosomana,M Kene
5725			Replace Guard	1.5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 09:30	5724	M Ramosomana,M Kene
5726			Carry out decontamination protocol	12 hrs	Sat 22/04/23 09:30	Sun 23/04/23 11:00	5725	Nicholas
5727			Remove decontamination controls	6 hrs	Sun 23/04/23 11:00	Sun 23/04/23 17:30	5726	Nicholas
5728			Drain Gear Box And Refill With New Oil To The Correct Level	0.5 hrs	Sun 23/04/23 17:30	Sun 23/04/23 18:00	5727	M Ramosomana,M Kene
5729			Carry Out House Keeping	0.5 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:30	5728	M Ramosomana,M Kene
5730			Clear The Permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45	5729	Operations
5731			Test Run And Hand Over	1 hr	Mon 24/04/23 07:45	Mon 24/04/23 08:45	5730	Calc-FT10,Operations
5732		**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Open all covers for cleaning and inspection**	**57.25 hrs**	**Mon 24/04/23 08:45**	**Sat 29/04/23 14:00**	**5702**	
5733			Erect scaffold prior	0 hrs	Mon 24/04/23 08:45	Mon 24/04/23 08:45		G Moeseraela,T Moloi
5734			Make out permit	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	5733	Operations
5735			Clear permit	0.25 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:15	5734	M Ramosomana,M Kene
5736			Risk assessment	0.25 hrs	Mon 24/04/23 09:15	Mon 24/04/23 09:30	5735	M Ramosomana,M Kene
5737			Remove all lagging	12 hrs	Mon 24/04/23 09:30	Tue 25/04/23 11:00	5736	M Ramosomana,M Kene
5738			Open all inspection covers	12 hrs	Tue 25/04/23 11:00	Wed 26/04/23 13:00	5737	M Ramosomana,M Kene
5739			Clean thoroughly	12 hrs	Wed 26/04/23 13:00	Thu 27/04/23 14:30	5738	M Ramosomana,M Kene
5740			Carry out thorough inspection	8 hrs	Thu 27/04/23 14:30	Fri 28/04/23 11:30	5739	M Ramosomana,M Kene
5741			Box up	12 hrs	Fri 28/04/23 11:30	Sat 29/04/23 13:30	5740	M Ramosomana,M Kene
5742			House keeping	0.25 hrs	Sat 29/04/23 13:30	Sat 29/04/23 13:45	5741	M Ramosomana,M Kene
5743			Clear permit	0.25 hrs	Sat 29/04/23 13:45	Sat 29/04/23 14:00	5742	M Ramosomana,M Kene
5744		**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Correct Deformed structure& Repair Covers**	**25.25 hrs**	**Wed 26/04/23 16:00**	**Sat 29/04/23 09:15**	**5796**	
5745			Fabricate structure & cover prior	0 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:00		M Ramatlhakeng,S Monna
5746			Sand blast and paint	0 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:00	5745	Operations
5747			Make out permit	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15	5746	M Ramatlhakeng,S Monna
5748			Accept permit	0.25 hrs	Wed 26/04/23 16:15	Wed 26/04/23 16:30	5747	M Ramatlhakeng,S Monna
5749			Conduct risk assessment	0.25 hrs	Wed 26/04/23 16:30	Wed 26/04/23 16:45	5748	M Ramatlhakeng,S Monna
5750			Cut out deformed section	8 hrs	Wed 26/04/23 16:45	Thu 27/04/23 14:15	5749	M Ramatlhakeng,S Monna
5751			Replace /repair if necessary	16 hrs	Thu 27/04/23 14:15	Sat 29/04/23 08:45	5750	M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5752			House keeping	0.25 hrs	Sat 29/04/23 08:45	Sat 29/04/23 09:00	5751	M Ramatlhakeng,S Monna
5753			Clear permit	0.25 hrs	Sat 29/04/23 09:00	Sat 29/04/23 09:15	5752	M Ramatlhakeng,S Monna
5754		**29A2RF10**	**# B2 DUST DISCHARGE CONVEYOR - Replace Bellows**	**4.25 hrs**	**Sat 29/04/23 14:00**	**Sun 30/04/23 07:15**	**5732**	
5755			Clean prior	0 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:00		Operations
5756			Make out permit	0.25 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:15	5755	Operations
5757			Accept permit	0.25 hrs	Sat 29/04/23 14:15	Sat 29/04/23 14:30	5756	M Ramosomana,M Kene
5758			Carry out risk assement	0.25 hrs	Sat 29/04/23 14:30	Sat 29/04/23 14:45	5757	M Ramosomana,M Kene
5759			Remove bolts	0.5 hrs	Sat 29/04/23 14:45	Sat 29/04/23 15:15	5758	M Ramosomana,M Kene
5760			Remove old bellow	0.5 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:45	5759	M Ramosomana,M Kene
5761			clean area	0.5 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:15	5760	M Ramosomana,M Kene
5762			replace bellow	0.5 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:45	5761	M Ramosomana,M Kene
5763			Secure bellow	1 hr	Sat 29/04/23 16:45	Sat 29/04/23 17:45	5762	M Ramosomana,M Kene
5764			house keeping	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	5763	M Ramosomana,M Kene
5765			Clear permit	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	5764	M Ramosomana,M Kene
5766		**29A2RF11**	**# B2 DUST DISCHARGE CONVEYOR - Replace Bellows**	**4.25 hrs**	**Sun 30/04/23 07:15**	**Sun 30/04/23 11:30**	**5754**	
5767			Clean prior	0 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:15		Operations
5768			Make out permit	0.25 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:30	5767	Operations
5769			Accept permit	0.25 hrs	Sun 30/04/23 07:30	Sun 30/04/23 07:45	5768	M Ramosomana,M Kene
5770			Carry out risk assement	0.25 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:00	5769	M Ramosomana,M Kene
5771			Remove bolts	0.5 hrs	Sun 30/04/23 08:00	Sun 30/04/23 08:30	5770	M Ramosomana,M Kene
5772			Remove old bellow	0.5 hrs	Sun 30/04/23 08:30	Sun 30/04/23 09:00	5771	M Ramosomana,M Kene
5773			clean area	0.5 hrs	Sun 30/04/23 09:00	Sun 30/04/23 09:30	5772	M Ramosomana,M Kene
5774			replace bellow	0.5 hrs	Sun 30/04/23 09:30	Sun 30/04/23 10:00	5773	M Ramosomana,M Kene
5775			Secure bellow	1 hr	Sun 30/04/23 10:00	Sun 30/04/23 11:00	5774	M Ramosomana,M Kene
5776			house keeping	0.25 hrs	Sun 30/04/23 11:00	Sun 30/04/23 11:15	5775	M Ramosomana,M Kene
5777			Clear permit	0.25 hrs	Sun 30/04/23 11:15	Sun 30/04/23 11:30	5776	M Ramosomana,M Kene
5778		**29A2RF10**	**# B1 DUST DISCHARGE CONVEYOR - Remove Screw And Inspect Flights**	**11.75 hrs**	**Sun 30/04/23 11:30**	**Mon 01/05/23 13:15**	**5766**	
5779			Make Out Permit	0.25 hrs	Sun 30/04/23 11:30	Sun 30/04/23 11:45		Operations
5780			Accept Permit	0.25 hrs	Sun 30/04/23 11:45	Sun 30/04/23 12:00	5779	M Ramosomana,M Kene
5781			Remove Old Packings (Labyrinth Seal)	1 hr	Sun 30/04/23 12:30	Sun 30/04/23 13:30	5780	M Ramosomana,M Kene
5782			Install New Packings	1 hr	Sun 30/04/23 13:30	Sun 30/04/23 14:30	5781	M Ramosomana,M Kene
5783			Change Bellow	6 hrs	Sun 30/04/23 14:30	Mon 01/05/23 09:30	5782	M Ramosomana,M Kene
5784			Open & Inspect Bearings,Clean Out & Repack	2 hrs	Mon 01/05/23 09:30	Mon 01/05/23 11:30	5783	M Ramosomana,M Kene
5785			Drain Gearbox Oil & Refill	1 hr	Mon 01/05/23 11:30	Mon 01/05/23 13:00	5784	M Ramosomana,M Kene
5786			Clear Permit	0.25 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:15	5785	M Ramosomana,M Kene
5787		**29A2RF11**	**# B2 DUST DISCHARGE CONVEYOR - Remove Screw And Inspect Flights**	**11.75 hrs**	**Mon 01/05/23 13:15**	**Tue 02/05/23 14:30**	**5778**	
5788			Make Out Permit	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30		Operations
5789			Accept Permit	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45	5788	M Ramosomana,M Kene
5790			Remove Old Packings (Labyrinth Seal)	1 hr	Mon 01/05/23 13:45	Mon 01/05/23 14:45	5789	M Ramosomana,M Kene
5791			Install New Packings	1 hr	Mon 01/05/23 14:45	Mon 01/05/23 15:45	5790	M Ramosomana,M Kene
5792			Change Bellow	6 hrs	Mon 01/05/23 15:45	Tue 02/05/23 10:45	5791	M Ramosomana,M Kene
5793			Open & Inspect Bearings,Clean Out & Repack	2 hrs	Tue 02/05/23 10:45	Tue 02/05/23 13:15	5792	M Ramosomana,M Kene
5794			Drain Gearbox Oil & Refill	1 hr	Tue 02/05/23 13:15	Tue 02/05/23 14:15	5793	M Ramosomana,M Kene
5795			Clear Permit	0.25 hrs	Tue 02/05/23 14:15	Tue 02/05/23 14:30	5794	M Ramosomana,M Kene
5796		**29A2RF12**	**# B DUST COLLECTING SCREWS B LINE- Repair casing**	**81.75 hrs**	**Wed 19/04/23 07:15**	**Wed 26/04/23 16:00**		

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5797		Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
5798		Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	5797	M Ramatlhakeng,S Monna
5799		Remove lagging	2 hrs	Wed 19/04/23 07:45	Wed 19/04/23 09:45	5798	M Ramatlhakeng,S Monna
5800		Cut out bolts	2 hrs	Wed 19/04/23 09:45	Wed 19/04/23 11:45	5799	M Ramatlhakeng,S Monna
5801		Rig out casing	3 hrs	Wed 19/04/23 11:45	Wed 19/04/23 15:15	5800	M Ramatlhakeng,S Monna
5802		Transport to Fab Workshop for repairs	0.5 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:45	5801	Crane lorry,G Moeseraela,T Moloi
5803		Screw casing repairs	60 hrs	Wed 19/04/23 15:45	Tue 25/04/23 12:45	5802	Fab Wshop
5804		Transport to plant	0.5 hrs	Tue 25/04/23 12:45	Tue 25/04/23 13:15	5803	Crane lorry,G Moeseraela,T Moloi
5805		Install new casing	5 hrs	Tue 25/04/23 13:15	Wed 26/04/23 07:15	5804	M Ramatlhakeng,S Monna
5806		Bolt up	5 hrs	Wed 26/04/23 07:15	Wed 26/04/23 12:45	5805	M Ramatlhakeng,S Monna
5807		Quality check	1 hr	Wed 26/04/23 12:45	Wed 26/04/23 13:45	5806	M Ramatlhakeng,S Monna
5808		Housekeeping	2 hrs	Wed 26/04/23 13:45	Wed 26/04/23 15:45	5807	M Ramatlhakeng,S Monna
5809		Clear permit	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00	5808	M Ramatlhakeng,S Monna
5810	**29A2RF12**	**# B COLLECTED DUST SCREW CONVEYOR - Carry Out Inspection And Service**	**11.75 hrs**	**Tue 02/05/23 14:30**	**Wed 03/05/23 15:45**	**5787**	
5811		Make Out Permit	0.25 hrs	Tue 02/05/23 14:30	Tue 02/05/23 14:45		Operations
5812		Accept Permit	0.25 hrs	Tue 02/05/23 14:45	Tue 02/05/23 15:00	5811	M Ramosomana,M Kene
5813		Remove Old Packings (Labyrinth Seal)	1 hr	Tue 02/05/23 15:00	Tue 02/05/23 16:00	5812	M Ramosomana,M Kene
5814		Install New Packings	1 hr	Tue 02/05/23 16:00	Tue 02/05/23 17:00	5813	M Ramosomana,M Kene
5815		Change Bellow	6 hrs	Tue 02/05/23 17:00	Wed 03/05/23 12:00	5814	M Ramosomana,M Kene
5816		Open & Inspect Bearings,Clean Out & Repack	2 hrs	Wed 03/05/23 12:30	Wed 03/05/23 14:30	5815	M Ramosomana,M Kene
5817		Drain Gearbox Oil & Refill	1 hr	Wed 03/05/23 14:30	Wed 03/05/23 15:30	5816	M Ramosomana,M Kene
5818		Clear Permit	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45	5817	M Ramosomana,M Kene
5819	**29A2RM05**	**# B RECYCLONE SODA ASH STAR FEEDER - Carry Out Inspection**	**9 hrs**	**Wed 03/05/23 15:45**	**Thu 04/05/23 14:15**	**5810**	
5820		Make Out Permit	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00		Operations
5821		Accept Permit	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	5820	M Ramosomana,M Kene
5822		Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 16:15	Wed 03/05/23 16:30	5821	M Ramosomana,M Kene
5823		Open Inspection Cover	0.25 hrs	Wed 03/05/23 16:30	Wed 03/05/23 16:45	5822	M Ramosomana,M Kene
5824		Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Wed 03/05/23 16:45	Wed 03/05/23 17:15	5823	M Ramosomana,M Kene
5825		Stop And Close The Inspection Cover.	0.25 hrs	Wed 03/05/23 17:15	Wed 03/05/23 17:30	5824	M Ramosomana,M Kene
5826		Sign Off Permit If Everything Is In Order.	0.25 hrs	Wed 03/05/23 17:30	Wed 03/05/23 17:45	5825	M Ramosomana,M Kene
5827		When There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Wed 03/05/23 17:45	Wed 03/05/23 18:00	5826	M Ramosomana,M Kene
5828		Loosen And Remove Guards	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	5827	M Ramosomana,M Kene
5829		Put Extension Pads On The Jacks	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	5828	M Ramosomana,M Kene
5830		Remove Mounting Bolts	0.5 hrs	Thu 04/05/23 07:30	Thu 04/05/23 08:00	5829	M Ramosomana,M Kene
5831		Rig Out The Star Feeder And Safely Put It Aside	2 hrs	Thu 04/05/23 08:00	Thu 04/05/23 10:00	5830	Calc-FT10,Calc-SSFT10,G Moeseraela,T Moloi
5832		Clean The Chute Faces And Apply Sealing Compound Or Glass Tape	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	5831	M Ramosomana,M Kene
5833		Inspect The New Star Feeder To Check If It Is Rotating Freely And The Gap Between The Rotor And Housing Is Set Corretly(2Mm)	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30	5832	M Ramosomana,M Kene
5834		Rig In Position The New Or Reconditioned Star Feeder And Secure	2 hrs	Thu 04/05/23 10:30	Thu 04/05/23 13:00	5833	Calc-FT10,Calc-SSFT10,G Moeseraela,T Moloi
5835		Align The Geared Unit Coupling And The Star Feeder	0.5 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:30	5834	M Ramosomana,M Kene
5836		Replace Guards	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	5835	M Ramosomana,M Kene
5837		Carry Out House Keeping	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	5836	M Ramosomana,M Kene
5838		Clear Permit	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	5837	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5839		**29A2FF02**	**# B DUST CYCLONE - Replace corroded steam pipe work**	**42.75 hrs**	**Sat 29/04/23 09:15**	**Wed 03/05/23 10:00**	**5744**	
5840			Fabricate pipe prior	0 hrs	Sat 29/04/23 09:15	Sat 29/04/23 09:15		
5841			Make Out Permit	0.25 hrs	Sat 29/04/23 09:15	Sat 29/04/23 09:30	5840	Operations
5842			Accept Permit	0.25 hrs	Sat 29/04/23 09:30	Sat 29/04/23 09:45	5841	SBM(Carb)3,M Ramatlhakeng,S Monna
5843			Support Existing Structure	6 hrs	Sat 29/04/23 09:45	Sat 29/04/23 16:15	5842	SBM(Carb)3,M Ramatlhakeng,S Monna
5844			Cut Off Existing pipes	24 hrs	Sat 29/04/23 16:15	Tue 02/05/23 08:15	5843	SBM(Carb)3,M Ramatlhakeng,S Monna
5845			Rig Out Old pipes	4 hrs	Tue 02/05/23 08:15	Tue 02/05/23 12:45	5844	SBM(Carb)3,M Ramatlhakeng,S Monna,G Moeseraela
5846			Rig In New pipes	4 hrs	Tue 02/05/23 12:45	Tue 02/05/23 16:45	5845	SBM(Carb)3,M Ramatlhakeng,S Monna,G Moeseraela
5847			Bolt Up New pipes	4 hrs	Tue 02/05/23 16:45	Wed 03/05/23 09:45	5846	SBM(Carb)3,M Ramatlhakeng,S Monna
5848			Clear Permit	0.25 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:00	5847	SBM(Carb)3,M Ramatlhakeng,S Monna
5849			**ELECTRICAL**	**154.75 hrs**	**Wed 19/04/23 07:15**	**Wed 03/05/23 15:30**	**5430**	
5850		**29A2GA02**	**# B CALCINER STEAM HEAD OIL PUMP - Services Motor and Panel Components**	**25 hrs**	**Sat 22/04/23 07:30**	**Mon 24/04/23 11:30**	**3548**	
5851			Make Out Permit	0.25 hrs	Sat 22/04/23 07:30	Sat 22/04/23 07:45		Operations
5852			Accept Permit	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	5851	Ash-Elec4,Ash-SSElec4
5853			Services Panel Components And Replace Motor	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15	5852	Ash-Elec4,Ash-SSElec4
5854			Carry Out Electrical Isolation	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	5853	Ash-Elec4,Ash-SSElec4
5855			Disconnect and remove motor and send for repairs	2 hrs	Sat 22/04/23 08:30	Sat 22/04/23 10:30	5854	Elec (Ash),Fitter
5856			Wash motor with a water spray	1.5 hrs	Sat 22/04/23 10:30	Sat 22/04/23 12:00	5855	Ash-Elec4,Ash-SSElec4
5857			Dry motor in an oven	6 hrs	Sat 22/04/23 12:30	Sun 23/04/23 07:30	5856	Ash-Elec4,Ash-SSElec4
5858			Paint motor	6 hrs	Sun 23/04/23 07:30	Sun 23/04/23 14:00	5857	Painter 1
5859			Curing time	4 hrs	Sun 23/04/23 14:00	Sun 23/04/23 18:00	5858	
5860			Check Loose Connections In The Panel	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	5859	Ash-Elec4,Ash-SSElec4
5861			Check Contactor Contacts	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	5860	Ash-Elec4,Ash-SSElec4
5862			Service Stop/Start	0.5 hrs	Mon 24/04/23 07:30	Mon 24/04/23 08:00	5861	Ash-Elec4,Ash-SSElec4
5863			Install and connect motor	2 hrs	Mon 24/04/23 08:00	Mon 24/04/23 10:00	5862	Elec (Ash),Fitter
5864			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:15	5863	Ash-Elec4,Ash-SSElec4
5865			Check motor connection	0.5 hrs	Mon 24/04/23 10:15	Mon 24/04/23 10:45	5864	Ash-Elec4,Ash-SSElec4
5866			Seal For Moisture And Dust	0.25 hrs	Mon 24/04/23 10:45	Mon 24/04/23 11:00	5865	Ash-Elec4,Ash-SSElec4
5867			Confirm Correct Protection Settings	0.25 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:15	5866	Ash-Elec4,Ash-SSElec4
5868			Clear Permit	0.25 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:30	5867	Ash-Elec4,Ash-SSElec4
5869		**29A2GA04**	**# B1 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**25 hrs**	**Mon 24/04/23 11:30**	**Wed 26/04/23 16:00**	**5850**	
5870			Make Out Permit	0.25 hrs	Mon 24/04/23 11:30	Mon 24/04/23 11:45		Operations
5871			Accept Permit	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	5870	Ash-Elec4,Ash-SSElec4
5872			Services Panel Components And Replace Motor	0.25 hrs	Mon 24/04/23 12:30	Mon 24/04/23 12:45	5871	Ash-Elec4,Ash-SSElec4
5873			Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 12:45	Mon 24/04/23 13:00	5872	Ash-Elec4,Ash-SSElec4
5874			Disconnect and remove motor and send for repairs	2 hrs	Mon 24/04/23 13:00	Mon 24/04/23 15:00	5873	Elec (Ash),Fitter
5875			Wash motor with a water spray	1.5 hrs	Mon 24/04/23 15:00	Mon 24/04/23 16:30	5874	Ash-Elec4,Ash-SSElec4
5876			Dry motor in an oven	6 hrs	Mon 24/04/23 16:30	Tue 25/04/23 11:30	5875	Ash-Elec4,Ash-SSElec4
5877			Paint motor	6 hrs	Tue 25/04/23 11:30	Tue 25/04/23 18:00	5876	Painter 1
5878			Curing time	4 hrs	Wed 26/04/23 07:00	Wed 26/04/23 11:00	5877	
5879			Check Loose Connections In The Panel	0.25 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:15	5878	Ash-Elec4,Ash-SSElec4
5880			Check Contactor Contacts	0.25 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:30	5879	Ash-Elec4,Ash-SSElec4
5881			Service Stop/Start	0.5 hrs	Wed 26/04/23 11:30	Wed 26/04/23 12:00	5880	Ash-Elec4,Ash-SSElec4

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5882			Install and connect motor	2 hrs	Wed 26/04/23 12:30	Wed 26/04/23 14:30	5881	Elec (Ash),Fitter
5883			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 26/04/23 14:30	Wed 26/04/23 14:45	5882	Ash-Elec4,Ash-SSElec4
5884			Check motor connection	0.5 hrs	Wed 26/04/23 14:45	Wed 26/04/23 15:15	5883	Ash-Elec4,Ash-SSElec4
5885			Seal For Moisture And Dust	0.25 hrs	Wed 26/04/23 15:15	Wed 26/04/23 15:30	5884	Ash-Elec4,Ash-SSElec4
5886			Confirm Correct Protection Settings	0.25 hrs	Wed 26/04/23 15:30	Wed 26/04/23 15:45	5885	Ash-Elec4,Ash-SSElec4
5887			Clear Permit	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00	5886	Ash-Elec4,Ash-SSElec4
5888		**29A2GA06**	**# B2 CALCINER ROLLER LUBE PUMP - Services Motor and Panel Components**	**24.5 hrs**	**Wed 26/04/23 16:00**	**Sat 29/04/23 08:30**	**5869**	
5889			Make Out Permit	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15		Operations
5890			Accept Permit	0.25 hrs	Wed 26/04/23 16:15	Wed 26/04/23 16:30	5889	Ash-Elec4,Ash-SSElec4
5891			Services Panel Components And Replace Motor	0.25 hrs	Wed 26/04/23 16:30	Wed 26/04/23 16:45	5890	Ash-Elec4,Ash-SSElec4
5892			Carry Out Electrical Isolation	0.25 hrs	Wed 26/04/23 16:45	Wed 26/04/23 17:00	5891	Ash-Elec4,Ash-SSElec4
5893			Disconnect and remove motor and send for repairs	2 hrs	Wed 26/04/23 17:00	Thu 27/04/23 08:00	5892	Elec (Ash),Fitter
5894			Wash motor with a water spray	1.5 hrs	Thu 27/04/23 08:00	Thu 27/04/23 09:30	5893	Ash-Elec4,Ash-SSElec4
5895			Dry motor in an oven	6 hrs	Thu 27/04/23 09:30	Thu 27/04/23 16:00	5894	Ash-Elec4,Ash-SSElec4
5896			Paint motor	6 hrs	Thu 27/04/23 16:00	Fri 28/04/23 11:00	5895	Painter 1
5897			Curing time	4 hrs	Fri 28/04/23 11:00	Fri 28/04/23 15:30	5896	
5898			Check Loose Connections In The Panel	0.25 hrs	Fri 28/04/23 15:30	Fri 28/04/23 15:45	5897	Ash-Elec4,Ash-SSElec4
5899			Check Contactor Contacts	0.25 hrs	Fri 28/04/23 15:45	Fri 28/04/23 16:00	5898	Ash-Elec4,Ash-SSElec4
5900			Service Stop/Start	0.5 hrs	Fri 28/04/23 16:00	Fri 28/04/23 16:30	5899	Ash-Elec4,Ash-SSElec4
5901			Check Cable Terminal Leads For Over Heating	0.25 hrs	Fri 28/04/23 16:30	Fri 28/04/23 16:45	5900	Ash-Elec4,Ash-SSElec4
5902			Check motor connection	0.5 hrs	Fri 28/04/23 16:45	Fri 28/04/23 17:15	5901	Ash-Elec4,Ash-SSElec4
5903			Seal For Moisture And Dust	0.25 hrs	Fri 28/04/23 17:15	Fri 28/04/23 17:30	5902	Ash-Elec4,Ash-SSElec4
5904			Install and connect motor	1.5 hrs	Fri 28/04/23 17:30	Sat 29/04/23 08:00	5903	Elec (Ash),Fitter
5905			Confirm Correct Protection Settings	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	5904	Ash-Elec4,Ash-SSElec4
5906			Clear Permit	0.25 hrs	Sat 29/04/23 08:15	Sat 29/04/23 08:30	5905	Ash-Elec4,Ash-SSElec4
5907		**29A2GA08**	**# B DOUBLE SHAFT MIXER LUBE PUMP - Services Motor and Panel Components**	**24.5 hrs**	**Sat 29/04/23 08:30**	**Mon 01/05/23 12:00**	**5888**	
5908			Make Out Permit	0.25 hrs	Sat 29/04/23 08:30	Sat 29/04/23 08:45		Operations
5909			Accept Permit	0.25 hrs	Sat 29/04/23 08:45	Sat 29/04/23 09:00	5908	Ash-Elec4,Ash-SSElec4
5910			Services Panel Components And Replace Motor	0.25 hrs	Sat 29/04/23 09:00	Sat 29/04/23 09:15	5909	Ash-Elec4,Ash-SSElec4
5911			Carry Out Electrical Isolation	0.25 hrs	Sat 29/04/23 09:15	Sat 29/04/23 09:30	5910	Ash-Elec4,Ash-SSElec4
5912			Disconnect and remove motor and send for repairs	1.5 hrs	Sat 29/04/23 09:30	Sat 29/04/23 11:00	5911	Elec (Ash),Fitter
5913			Wash motor with a water spray	1.5 hrs	Sat 29/04/23 11:00	Sat 29/04/23 13:00	5912	Ash-Elec4,Ash-SSElec4
5914			Dry motor in an oven	6 hrs	Sat 29/04/23 13:00	Sun 30/04/23 08:00	5913	Ash-Elec4,Ash-SSElec4
5915			Paint motor	6 hrs	Sun 30/04/23 08:00	Sun 30/04/23 14:30	5914	Painter 1
5916			Curing time	4 hrs	Sun 30/04/23 14:30	Mon 01/05/23 07:30	5915	
5917			Check Loose Connections In The Panel	0.25 hrs	Mon 01/05/23 07:30	Mon 01/05/23 07:45	5916	Ash-Elec4,Ash-SSElec4
5918			Check Contactor Contacts	0.25 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:00	5917	Ash-Elec4,Ash-SSElec4
5919			Service Stop/Start	0.5 hrs	Mon 01/05/23 08:00	Mon 01/05/23 08:30	5918	Ash-Elec4,Ash-SSElec4
5920			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 01/05/23 08:30	Mon 01/05/23 08:45	5919	Ash-Elec4,Ash-SSElec4
5921			Check motor connection	0.5 hrs	Mon 01/05/23 08:45	Mon 01/05/23 09:15	5920	Ash-Elec4,Ash-SSElec4
5922			Seal For Moisture And Dust	0.25 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:30	5921	Ash-Elec4,Ash-SSElec4
5923			Install and connect motor	2 hrs	Mon 01/05/23 09:30	Mon 01/05/23 11:30	5922	Elec (Ash),Fitter
5924			Confirm Correct Protection Settings	0.25 hrs	Mon 01/05/23 11:30	Mon 01/05/23 11:45	5923	Ash-Elec4,Ash-SSElec4

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5925			Clear Permit	0.25 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:00	5924	Ash-Elec4,Ash-SSElec4
5926		**29A2GR02**	**B CALCINER CO2 GAS COMPRESSOR - Carry out electrical maintenance**	**15.25 hrs**	**Mon 01/05/23 12:00**	**Tue 02/05/23 17:15**	**5907**	
5927			Make out permit	0.25 hrs	Mon 01/05/23 12:00	Mon 01/05/23 12:15		Operations
5928			Accept permit	0.25 hrs	Mon 01/05/23 12:30	Mon 01/05/23 12:45	5927	Ash-Elec4,Ash-SSElec4
5929			Carry out electrical isolation	0.25 hrs	Mon 01/05/23 12:45	Mon 01/05/23 13:00	5928	Ash-Elec4,Ash-SSElec4
5930			Service control panel	1 hr	Mon 01/05/23 13:00	Mon 01/05/23 14:00	5929	Ash-Elec4,Ash-SSElec4
5931			Service auxiliary drives	3 hrs	Mon 01/05/23 14:00	Mon 01/05/23 17:00	5930	Ash-Elec4,Ash-SSElec4
5932			Check motor fans condition	0.25 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:15	5931	Ash-Elec4,Ash-SSElec4
5933			Check cable terminal leads for over heating	0.25 hrs	Mon 01/05/23 17:15	Mon 01/05/23 17:30	5932	Ash-Elec4,Ash-SSElec4
5934			Tighten motor connections& Gland intergrity	0.5 hrs	Mon 01/05/23 17:30	Mon 01/05/23 18:00	5933	Ash-Elec4,Ash-SSElec4
5935			Ensure motor winding heaters are working	0.5 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:30	5934	Ash-Elec4,Ash-SSElec4
5936			Remove fan cover	1 hr	Tue 02/05/23 07:30	Tue 02/05/23 08:30	5935	Rig (Ash) 5,Calc-FT10,Calc-SSFT10,G Moeseraela,T Mo
5937			Clean motor air vents	1 hr	Tue 02/05/23 08:30	Tue 02/05/23 09:30	5936	Ash-Elec4,Ash-SSElec4
5938			Wash filters	4 hrs	Tue 02/05/23 09:30	Tue 02/05/23 14:00	5937	Ash-Elec4,Ash-SSElec4
5939			Close fan cover	1 hr	Tue 02/05/23 14:00	Tue 02/05/23 15:00	5938	Rig (Ash) 5,Calc-FT10,Calc-SSFT10,G Moeseraela,T Mo
5940			Reinstate winding temperature monitor circuit	1 hr	Tue 02/05/23 15:00	Tue 02/05/23 16:00	5939	Ash-Elec4,Ash-SSElec4
5941			Ensure motor winding heater is working	0.5 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:30	5940	Ash-Elec4,Ash-SSElec4
5942			Seal for moisture and dust.	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	5941	Ash-Elec4,Ash-SSElec4
5943			Confirm correct protection settings for all drives	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	5942	Ash-Elec4,Ash-SSElec4
5944			Clear permit	0.25 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:15	5943	Ash-Elec4,Ash-SSElec4
5945		**29BCO2LUB**	**B 'CO2 COMPRESSOR LUBE OIL PUMP A - Carry out maintenance on electrical components**	**23.5 hrs**	**Mon 24/04/23 08:45**	**Wed 26/04/23 11:15**	**3681**	
5946			Make out permit	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00		Ash-Elec4,Ash-SSElec4
5947			Accept permit	0.25 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:15	5946	Ash-Elec4,Ash-SSElec4
5948			Carry out electrical isolation	0.25 hrs	Mon 24/04/23 09:15	Mon 24/04/23 09:30	5947	Ash-Elec4,Ash-SSElec4
5949			Disconnect motor	2 hrs	Mon 24/04/23 09:30	Mon 24/04/23 11:30	5948	Elec-Calc11,Fit,G Moeseraela,T Moloi
5950			Paint motor	6 hrs	Mon 24/04/23 11:30	Mon 24/04/23 18:00	5949	Painter 1
5951			Curing time	12 hrs	Tue 25/04/23 07:00	Wed 26/04/23 08:30	5950	
5952			Check loose connections in the panel	0.25 hrs	Wed 26/04/23 08:30	Wed 26/04/23 08:45	5951	Ash-Elec4,Ash-SSElec4
5953			Check Contactor contacts connetions	0.25 hrs	Wed 26/04/23 08:45	Wed 26/04/23 09:00	5952	Ash-Elec4,Ash-SSElec4
5954			Confirm correct setting of protections	0.25 hrs	Wed 26/04/23 09:00	Wed 26/04/23 09:15	5953	Ash-Elec4,Ash-SSElec4
5955			Service Stop/start	0.5 hrs	Wed 26/04/23 09:15	Wed 26/04/23 09:45	5954	Ash-Elec4,Ash-SSElec4
5956			Check motor fan condition	0.5 hrs	Wed 26/04/23 09:45	Wed 26/04/23 10:15	5955	Ash-Elec4,Ash-SSElec4
5957			Check cable terminal leads for over heating	0.25 hrs	Wed 26/04/23 10:15	Wed 26/04/23 10:30	5956	Ash-Elec4,Ash-SSElec4
5958			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45	5957	Ash-Elec4,Ash-SSElec4
5959			Seal for Moisture and dust.	0.25 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:00	5958	Ash-Elec4,Ash-SSElec4
5960			Clear permit	0.25 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:15	5959	Ash-Elec4,Ash-SSElec4
5961		**29BCO2LUB**	**B 'CO2 COMPRESSOR LUBE OIL PUMP B - Carry out maintenance on electrical components**	**23.5 hrs**	**Wed 26/04/23 11:15**	**Fri 28/04/23 14:15**	**5945**	
5962			Make out permit	0.25 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:30		Ash-Elec4,Ash-SSElec4
5963			Accept permit	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	5962	Ash-Elec4,Ash-SSElec4
5964			Carry out electrical isolation	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	5963	Ash-Elec4,Ash-SSElec4
5965			Disconnect motor	2 hrs	Wed 26/04/23 12:30	Wed 26/04/23 14:30	5964	Fit,Ash-Elec4,Ash-SSElec4,G Moeseraela,T Moloi
5966			Paint motor	6 hrs	Wed 26/04/23 14:30	Thu 27/04/23 09:30	5965	Painter 1
5967			Curing time	12 hrs	Thu 27/04/23 09:30	Fri 28/04/23 11:00	5966	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
5968			Check loose connections in the panel	0.25 hrs	Fri 28/04/23 11:00	Fri 28/04/23 11:15	5967	Ash-Elec4,Ash-SSElec4
5969			Check Contactor contacts connetions	0.25 hrs	Fri 28/04/23 11:15	Fri 28/04/23 11:30	5968	Ash-Elec4,Ash-SSElec4
5970			Confirm correct setting of protections	0.25 hrs	Fri 28/04/23 11:30	Fri 28/04/23 11:45	5969	Ash-Elec4,Ash-SSElec4
5971			Service Stop/start	0.5 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:45	5970	Ash-Elec4,Ash-SSElec4
5972			Check motor fan condition	0.5 hrs	Fri 28/04/23 12:45	Fri 28/04/23 13:15	5971	Ash-Elec4,Ash-SSElec4
5973			Check cable terminal leads for over heating	0.25 hrs	Fri 28/04/23 13:15	Fri 28/04/23 13:30	5972	Ash-Elec4,Ash-SSElec4
5974			Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 28/04/23 13:30	Fri 28/04/23 13:45	5973	Ash-Elec4,Ash-SSElec4
5975			Seal for Moisture and dust.	0.25 hrs	Fri 28/04/23 13:45	Fri 28/04/23 14:00	5974	Ash-Elec4,Ash-SSElec4
5976			Clear permit	0.25 hrs	Fri 28/04/23 14:00	Fri 28/04/23 14:15	5975	Ash-Elec4,Ash-SSElec4
5977		**29BCO2SEAB**	**B 'CO2 SEAL WATER PUMP A - Carry out maintenance on electrical components**	**9 hrs**	**Fri 28/04/23 14:15**	**Sat 29/04/23 12:45**	**5961**	
5978			Make out permit	0.25 hrs	Fri 28/04/23 14:15	Fri 28/04/23 14:30		Elec
5979			Accept permit	0.25 hrs	Fri 28/04/23 14:30	Fri 28/04/23 14:45	5978	Elec
5980			Disconnect motor	1.5 hrs	Fri 28/04/23 14:45	Fri 28/04/23 16:15	5979	Fit,Ash-Elec4,Ash-SSElec4,G Moeseraela,T Moloi
5981			Send motor for painting	1.5 hrs	Fri 28/04/23 16:15	Fri 28/04/23 17:45	5980	Fit,Ash-Elec4,Ash-SSElec4,G Moeseraela,T Moloi
5982			Carry out electrical isolation	0.25 hrs	Fri 28/04/23 17:45	Fri 28/04/23 18:00	5981	Elec
5983			Check loose connections in the panel	0.25 hrs	Sat 29/04/23 07:00	Sat 29/04/23 07:15	5982	Elec
5984			Check Contactor contacts connetions	0.25 hrs	Sat 29/04/23 07:15	Sat 29/04/23 07:30	5983	Elec
5985			Confirm correct setting of protections	0.25 hrs	Sat 29/04/23 07:30	Sat 29/04/23 07:45	5984	Elec
5986			Service Stop/start	0.5 hrs	Sat 29/04/23 07:45	Sat 29/04/23 08:15	5985	Elec
5987			Check motor fan condition	0.5 hrs	Sat 29/04/23 08:15	Sat 29/04/23 08:45	5986	Elec
5988			Install motor	1 hr	Sat 29/04/23 08:45	Sat 29/04/23 09:45	5987	Fit,Ash-Elec4,Ash-SSElec4,G Moeseraela,T Moloi
5989			Connect motor	1.5 hrs	Sat 29/04/23 09:45	Sat 29/04/23 11:15	5988	Elec
5990			Check cable terminal leads for over heating	0.25 hrs	Sat 29/04/23 11:15	Sat 29/04/23 11:30	5989	Elec
5991			Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 29/04/23 11:30	Sat 29/04/23 11:45	5990	Elec
5992			Seal for Moisture and dust.	0.25 hrs	Sat 29/04/23 11:45	Sat 29/04/23 12:00	5991	Elec
5993			Clear permit	0.25 hrs	Sat 29/04/23 12:30	Sat 29/04/23 12:45	5992	Elec
5994		**29BCO2SEAB**	**B 'CO2 SEAL WATER PUMP B - Carry out maintenance on electrical components**	**9 hrs**	**Sat 29/04/23 12:45**	**Sun 30/04/23 10:45**	**5977**	
5995			Make out permit	0.25 hrs	Sat 29/04/23 12:45	Sat 29/04/23 13:00		Elec
5996			Accept permit	0.25 hrs	Sat 29/04/23 13:00	Sat 29/04/23 13:15	5995	Elec
5997			Disconnect motor	1.5 hrs	Sat 29/04/23 13:15	Sat 29/04/23 14:45	5996	Elec
5998			Send motor for painting	1.5 hrs	Sat 29/04/23 14:45	Sat 29/04/23 16:15	5997	Elec
5999			Carry out electrical isolation	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30	5998	Elec
6000			Check loose connections in the panel	0.25 hrs	Sat 29/04/23 16:30	Sat 29/04/23 16:45	5999	Elec
6001			Check Contactor contacts connetions	0.25 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:00	6000	Elec
6002			Confirm correct setting of protections	0.25 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:15	6001	Elec
6003			Service Stop/start	0.5 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:45	6002	Elec
6004			Check motor fan condition	0.5 hrs	Sat 29/04/23 17:45	Sun 30/04/23 07:15	6003	Elec
6005			Connect motor	2.5 hrs	Sun 30/04/23 07:15	Sun 30/04/23 09:45	6004	Elec
6006			Check cable terminal leads for over heating	0.25 hrs	Sun 30/04/23 09:45	Sun 30/04/23 10:00	6005	Elec
6007			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 30/04/23 10:00	Sun 30/04/23 10:15	6006	Elec
6008			Seal for Moisture and dust.	0.25 hrs	Sun 30/04/23 10:15	Sun 30/04/23 10:30	6007	Elec
6009			Clear permit	0.25 hrs	Sun 30/04/23 10:30	Sun 30/04/23 10:45	6008	Elec

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6010		**29A2RF08**	**# B DISCHARGE SCREW CONVEYOR - Services Electric Motor And Panel Components**	**17.75 hrs**	**Sun 30/04/23 10:45**	**Tue 02/05/23 07:30**	**5994**	
6011			Make Out Permit	0.25 hrs	Sun 30/04/23 10:45	Sun 30/04/23 11:00		Operations
6012			Accept Permit	0.25 hrs	Sun 30/04/23 11:00	Sun 30/04/23 11:15	6011	Ash-Elec4,Ash-SSElec4
6013			Services Electric Motor And Panel Components	0.25 hrs	Sun 30/04/23 11:15	Sun 30/04/23 11:30	6012	Ash-Elec4,Ash-SSElec4
6014			Carry Out Electrical Isolation	0.25 hrs	Sun 30/04/23 11:30	Sun 30/04/23 11:45	6013	Ash-Elec4,Ash-SSElec4
6015			Disconnect and remove motor and send for repairs	2 hrs	Sun 30/04/23 11:45	Sun 30/04/23 14:15	6014	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
6016			Paint motor	6 hrs	Sun 30/04/23 14:15	Mon 01/05/23 09:15	6015	Painter 1
6017			Curing time	4 hrs	Mon 01/05/23 09:15	Mon 01/05/23 13:45	6016	
6018			Check Loose Connections In The Panel	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	6017	Ash-Elec4,Ash-SSElec4
6019			Check Contactor Contacts	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	6018	Ash-Elec4,Ash-SSElec4
6020			Service Stop/Start	0.25 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:30	6019	Ash-Elec4,Ash-SSElec4
6021			Check Fan Condition	0.25 hrs	Mon 01/05/23 14:30	Mon 01/05/23 14:45	6020	Ash-Elec4,Ash-SSElec4
6022			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	6021	Ash-Elec4,Ash-SSElec4
6023			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15	6022	Ash-Elec4,Ash-SSElec4
6024			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:45	6023	Ash-Elec4,Ash-SSElec4
6025			Seal For Moisture And Dust	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	6024	Ash-Elec4,Ash-SSElec4
6026			Install and connect motor	2 hrs	Mon 01/05/23 16:00	Mon 01/05/23 18:00	6025	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
6027			Confirm Correct Protection Settings	0.25 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:15	6026	Ash-Elec4,Ash-SSElec4
6028			Clear Permit	0.25 hrs	Tue 02/05/23 07:15	Tue 02/05/23 07:30	6027	Ash-Elec4,Ash-SSElec4
6029		**29A2RF09**	**# B INCLINED TROUGH CHAIN CONVEYOR - Services Electric Motor And Panel Components**	**18 hrs**	**Tue 02/05/23 07:30**	**Wed 03/05/23 15:30**	**6010**	
6030			Make Out Permit	0.25 hrs	Tue 02/05/23 07:30	Tue 02/05/23 07:45		Operations
6031			Accept Permit	0.25 hrs	Tue 02/05/23 07:45	Tue 02/05/23 08:00	6030	Ash-Elec4,Ash-SSElec4
6032			Services Electric Motor And Panel Components	0.25 hrs	Tue 02/05/23 08:00	Tue 02/05/23 08:15	6031	Ash-Elec4,Ash-SSElec4
6033			Carry Out Electrical Isolation	0.25 hrs	Tue 02/05/23 08:15	Tue 02/05/23 08:30	6032	Ash-Elec4,Ash-SSElec4
6034			Disconnect motor	2 hrs	Tue 02/05/23 08:30	Tue 02/05/23 10:30	6033	Ash-Elec4,Ash-SSElec4
6035			Paint motor	6 hrs	Tue 02/05/23 10:30	Tue 02/05/23 17:00	6034	Painter 1
6036			Curing time	4 hrs	Tue 02/05/23 17:00	Wed 03/05/23 10:00	6035	
6037			Check Loose Connections In The Panel	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15	6036	Ash-Elec4,Ash-SSElec4
6038			Clean Panel Interior	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	6037	Ash-Elec4,Ash-SSElec4
6039			Check Contactor Contacts	0.25 hrs	Wed 03/05/23 10:30	Wed 03/05/23 10:45	6038	Ash-Elec4,Ash-SSElec4
6040			Service U/S Circuit	0.25 hrs	Wed 03/05/23 10:45	Wed 03/05/23 11:00	6039	Ash-Elec4,Ash-SSElec4
6041			Service Stop/Start	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15	6040	Ash-Elec4,Ash-SSElec4
6042			Check Fan Condition	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	6041	Ash-Elec4,Ash-SSElec4
6043			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	6042	Ash-Elec4,Ash-SSElec4
6044			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	6043	Ash-Elec4,Ash-SSElec4
6045			Service Go Switches And Test Functionality	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	6044	Ash-Elec4,Ash-SSElec4
6046			Seal For Moisture And Dust	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	6045	Ash-Elec4,Ash-SSElec4
6047			Confirm Correct Protection Settings	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	6046	Ash-Elec4,Ash-SSElec4
6048			Install and connect motor	2 hrs	Wed 03/05/23 13:15	Wed 03/05/23 15:15	6047	Elec (Ash),Fitter,G Moeseraela,T Moloi,K Gabantogele
6049			Clear Permit	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30	6048	Ash-Elec4,Ash-SSElec4
6050		**29A2RF10**	**# B1 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Wed 19/04/23 07:15**	**Wed 19/04/23 15:00**		
6051			Fabricate stop/start button canopy prior	0 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:15		M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6052			Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30	6051	Operations
6053			Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6052	Ash-Elec2,Ash-SSElec2
6054			Services Electric Motor And Panel Components	0.25 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:00	6053	Ash-Elec2,Ash-SSElec2
6055			Carry Out Electrical Isolation	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	6054	Ash-Elec2,Ash-SSElec2
6056			Check Loose Connections In The Panel	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	6055	Ash-Elec2,Ash-SSElec2
6057			Check Contactor Contacts	1.75 hrs	Wed 19/04/23 08:30	Wed 19/04/23 10:15	6056	Ash-Elec2,Ash-SSElec2
6058			Install siren canopy	2 hrs	Wed 19/04/23 10:15	Wed 19/04/23 12:45	6057	Ash-Elec2,Ash-SSElec2
6059			Service Stop/Start	0.25 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:00	6058	Ash-Elec2,Ash-SSElec2
6060			Check Fan Condition	0.25 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:15	6059	Ash-Elec2,Ash-SSElec2
6061			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:30	6060	Ash-Elec2,Ash-SSElec2
6062			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 19/04/23 13:30	Wed 19/04/23 13:45	6061	Ash-Elec2,Ash-SSElec2
6063			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 14:15	6062	Ash-Elec2,Ash-SSElec2
6064			Seal For Moisture And Dust	0.25 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:30	6063	Ash-Elec2,Ash-SSElec2
6065			Confirm Correct Protection Settings	0.25 hrs	Wed 19/04/23 14:30	Wed 19/04/23 14:45	6064	Ash-Elec2,Ash-SSElec2
6066			Clear Permit	0.25 hrs	Wed 19/04/23 14:45	Wed 19/04/23 15:00	6065	Ash-Elec2,Ash-SSElec2
6067		**29A2RF11**	**# B2 DUST DISCHARGE CONVEYOR - Services Electric Motor And Panel Components**	**7.25 hrs**	**Wed 19/04/23 15:00**	**Thu 20/04/23 11:15**	**6050**	
6068			Fabricate stop/start button canopy prior	0 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:00		M Ramatlhakeng,S Monna
6069			Make Out Permit	0.25 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:15	6068	Operations
6070			Accept Permit	0.25 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:30	6069	Ash-Elec2,Ash-SSElec2
6071			Services Electric Motor And Panel Components	0.25 hrs	Wed 19/04/23 15:30	Wed 19/04/23 15:45	6070	Ash-Elec2,Ash-SSElec2
6072			Carry Out Electrical Isolation	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	6071	Ash-Elec2,Ash-SSElec2
6073			Check Loose Connections In The Panel	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	6072	Ash-Elec2,Ash-SSElec2
6074			Check Contactor Contacts	1.75 hrs	Wed 19/04/23 16:15	Wed 19/04/23 18:00	6073	Ash-Elec2,Ash-SSElec2
6075			Install siren canopy	2 hrs	Thu 20/04/23 07:00	Thu 20/04/23 09:00	6074	Ash-Elec2,Ash-SSElec2
6076			Service Stop/Start	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	6075	Ash-Elec2,Ash-SSElec2
6077			Check Fan Condition	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	6076	Ash-Elec2,Ash-SSElec2
6078			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	6077	Ash-Elec2,Ash-SSElec2
6079			Check Cable Terminal Leads For Over Heating	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	6078	Ash-Elec2,Ash-SSElec2
6080			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:30	6079	Ash-Elec2,Ash-SSElec2
6081			Seal For Moisture And Dust	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	6080	Ash-Elec2,Ash-SSElec2
6082			Confirm Correct Protection Settings	0.25 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:00	6081	Ash-Elec2,Ash-SSElec2
6083			Clear Permit	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	6082	Ash-Elec2,Ash-SSElec2
6084		**29A2RF12**	**# B COLLECTED DUST SCREW CONVEYOR - Services Electric Motor And Panel Components**	**21.25 hrs**	**Thu 20/04/23 11:15**	**Sat 22/04/23 11:30**	**6067**	
6085			Fabricate stop/start button canopy prior	0 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:15		M Ramatlhakeng,S Monna
6086			Make Out Permit	0.25 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:30	6085	Operations
6087			Accept Permit	0.25 hrs	Thu 20/04/23 11:30	Thu 20/04/23 11:45	6086	Ash-Elec2,Ash-SSElec2
6088			Services Electric Motor And Panel Components	0.25 hrs	Thu 20/04/23 11:45	Thu 20/04/23 12:00	6087	Ash-Elec2,Ash-SSElec2
6089			Carry Out Electrical Isolation	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	6088	Ash-Elec2,Ash-SSElec2
6090			Disconnect motor	2 hrs	Thu 20/04/23 12:45	Thu 20/04/23 14:45	6089	Ash-Elec2,Ash-SSElec2
6091			Paint motor	6 hrs	Thu 20/04/23 14:45	Fri 21/04/23 09:45	6090	Painter 1
6092			Curing time	4 hrs	Fri 21/04/23 09:45	Fri 21/04/23 14:15	6091	
6093			Check Loose Connections In The Panel	0.25 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:30	6092	Ash-Elec2,Ash-SSElec2
6094			Check Contactor Contacts	1.75 hrs	Fri 21/04/23 14:30	Fri 21/04/23 16:15	6093	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6095			Service Stop/Start	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	6094	Ash-Elec2,Ash-SSElec2
6096			Install siren canopy	2 hrs	Fri 21/04/23 16:30	Sat 22/04/23 07:30	6095	Ash-Elec2,Ash-SSElec2
6097			Check Fan Condition	0.25 hrs	Sat 22/04/23 07:30	Sat 22/04/23 07:45	6096	Ash-Elec2,Ash-SSElec2
6098			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	6097	Ash-Elec2,Ash-SSElec2
6099			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15	6098	Ash-Elec2,Ash-SSElec2
6100			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:45	6099	Ash-Elec2,Ash-SSElec2
6101			Seal For Moisture And Dust	0.25 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:00	6100	Ash-Elec2,Ash-SSElec2
6102			Confirm Correct Protection Settings	0.25 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:15	6101	Ash-Elec2,Ash-SSElec2
6103			Connect motor	2 hrs	Sat 22/04/23 09:15	Sat 22/04/23 11:15	6102	Ash-Elec2,Ash-SSElec2
6104			Clear Permit	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30	6103	Ash-Elec2,Ash-SSElec2
6105		**29A2RM04**	**# B BICARBONATE STAR FEEDER - Services Electric Motor And Panel Components**	**3.5 hrs**	**Sat 22/04/23 11:30**	**Sat 22/04/23 15:30**	**6084**	
6106			Make Out Permit	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45		Operations
6107			Accept Permit	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	6106	Ash-Elec2,Ash-SSElec2
6108			Services Electric Motor And Panel Components	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	6107	Ash-Elec2,Ash-SSElec2
6109			Carry Out Electrical Isolation	0.25 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:00	6108	Ash-Elec2,Ash-SSElec2
6110			Check Loose Connections In The Panel	0.25 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:15	6109	Ash-Elec2,Ash-SSElec2
6111			Check Contactor Contacts	0.25 hrs	Sat 22/04/23 13:15	Sat 22/04/23 13:30	6110	Ash-Elec2,Ash-SSElec2
6112			Service Stop/Start	0.25 hrs	Sat 22/04/23 13:30	Sat 22/04/23 13:45	6111	Ash-Elec2,Ash-SSElec2
6113			Check Fan Condition	0.25 hrs	Sat 22/04/23 13:45	Sat 22/04/23 14:00	6112	Ash-Elec2,Ash-SSElec2
6114			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Sat 22/04/23 14:00	Sat 22/04/23 14:15	6113	Ash-Elec2,Ash-SSElec2
6115			Check Cable Terminal Leads For Over Heating	0.25 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:30	6114	Ash-Elec2,Ash-SSElec2
6116			Tightenn Motor Connections & Gland Intergrity	0.25 hrs	Sat 22/04/23 14:30	Sat 22/04/23 14:45	6115	Ash-Elec2,Ash-SSElec2
6117			Seal For Moisture And Dust	0.25 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:00	6116	Ash-Elec2,Ash-SSElec2
6118			Confirm Correct Protection Settings	0.25 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:15	6117	Ash-Elec2,Ash-SSElec2
6119			Clear Permit	0.25 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:30	6118	Ash-Elec2,Ash-SSElec2
6120		**29A2RM05**	**# B RECYCLE SODA ASH STAR FEEDER - Services Electric Motor And Panel Components**	**15.5 hrs**	**Sat 22/04/23 15:30**	**Mon 24/04/23 09:30**	**6105**	
6121			Make Out Permit	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45		Operations
6122			Accept Permit	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	6121	Ash-Elec2,Ash-SSElec2
6123			Services Electric Motor And Panel Components	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15	6122	Ash-Elec2,Ash-SSElec2
6124			Carry Out Electrical Isolation	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30	6123	Ash-Elec2,Ash-SSElec2
6125			Disconnect motor	2 hrs	Sat 22/04/23 16:30	Sun 23/04/23 07:30	6124	Fit,Ash-Elec2,Ash-SSElec2,G Moeseraela,T Moloi
6126			Paint motor	4 hrs	Sun 23/04/23 07:30	Sun 23/04/23 11:30	6125	Painter 1
6127			Curing time	4 hrs	Sun 23/04/23 11:30	Sun 23/04/23 16:00	6126	
6128			Check Loose Connections In The Panel	0.25 hrs	Sun 23/04/23 16:00	Sun 23/04/23 16:15	6127	Ash-Elec2,Ash-SSElec2
6129			Check Contactor Contacts	0.25 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:30	6128	Ash-Elec2,Ash-SSElec2
6130			Service Stop/Start	0.25 hrs	Sun 23/04/23 16:30	Sun 23/04/23 16:45	6129	Ash-Elec2,Ash-SSElec2
6131			Check Fan Condition	0.25 hrs	Sun 23/04/23 16:45	Sun 23/04/23 17:00	6130	Ash-Elec2,Ash-SSElec2
6132			Install motor	1 hr	Sun 23/04/23 17:00	Sun 23/04/23 18:00	6131	Fit,Ash-Elec2,Ash-SSElec2,G Moeseraela,T Moloi
6133			Connect motor	1 hr	Mon 24/04/23 07:00	Mon 24/04/23 08:00	6132	Ash-Elec2,Ash-SSElec2
6134			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15	6133	Ash-Elec2,Ash-SSElec2
6135			Check Cable Terminal Leads For Over Heating	0.25 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:30	6134	Ash-Elec2,Ash-SSElec2
6136			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	6135	Ash-Elec2,Ash-SSElec2
6137			Seal For Moisture And Dust	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	6136	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6138			Confirm Correct Protection Settings	0.25 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:15	6137	Ash-Elec2,Ash-SSElec2
6139			Clear Permit	0.25 hrs	Mon 24/04/23 09:15	Mon 24/04/23 09:30	6138	Ash-Elec2,Ash-SSElec2
6140		**29A2RM06**	**# B DISCHARGE STAR FEEDER - Services Electric Motor And Panel Components**	**15.75 hrs**	**Mon 24/04/23 09:30**	**Tue 25/04/23 15:15**	**6120**	
6141			Make Out Permit	0.25 hrs	Mon 24/04/23 09:30	Mon 24/04/23 09:45		Operations
6142			Accept Permit	0.25 hrs	Mon 24/04/23 09:45	Mon 24/04/23 10:00	6141	Ash-Elec2,Ash-SSElec2
6143			Services Electric Motor And Panel Components	0.25 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:15	6142	Ash-Elec2,Ash-SSElec2
6144			Carry Out Electrical Isolation	0.25 hrs	Mon 24/04/23 10:15	Mon 24/04/23 10:30	6143	Ash-Elec2,Ash-SSElec2
6145			Disconnect motor	2 hrs	Mon 24/04/23 10:30	Mon 24/04/23 13:00	6144	Ash-Elec2,Ash-SSElec2
6146			Paint motor	4 hrs	Mon 24/04/23 13:00	Mon 24/04/23 17:00	6145	Painter 1
6147			Curing time	4 hrs	Mon 24/04/23 17:00	Tue 25/04/23 10:00	6146	
6148			Check Loose Connections In The Panel	0.25 hrs	Tue 25/04/23 10:00	Tue 25/04/23 10:15	6147	Ash-Elec2,Ash-SSElec2
6149			Check Contactor Contacts	0.25 hrs	Tue 25/04/23 10:15	Tue 25/04/23 10:30	6148	Ash-Elec2,Ash-SSElec2
6150			Service Stop/Start	0.25 hrs	Tue 25/04/23 10:30	Tue 25/04/23 10:45	6149	Ash-Elec2,Ash-SSElec2
6151			Check Fan Condition	0.25 hrs	Tue 25/04/23 10:45	Tue 25/04/23 11:00	6150	Ash-Elec2,Ash-SSElec2
6152			Install motor	1 hr	Tue 25/04/23 11:00	Tue 25/04/23 12:00	6151	Fit,Ash-Elec2,Ash-SSElec2,G Moeseraela,T Moloi
6153			Connect motor	1 hr	Tue 25/04/23 12:30	Tue 25/04/23 13:30	6152	Ash-Elec2,Ash-SSElec2
6154			Inspect For Possible Gear Box Seal Leak	0.25 hrs	Tue 25/04/23 13:30	Tue 25/04/23 13:45	6153	Ash-Elec2,Ash-SSElec2
6155			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 25/04/23 13:45	Tue 25/04/23 14:00	6154	Ash-Elec2,Ash-SSElec2
6156			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:30	6155	Ash-Elec2,Ash-SSElec2
6157			Seal For Moisture And Dust	0.25 hrs	Tue 25/04/23 14:30	Tue 25/04/23 14:45	6156	Ash-Elec2,Ash-SSElec2
6158			Confirm Correct Protection Settings	0.25 hrs	Tue 25/04/23 14:45	Tue 25/04/23 15:00	6157	Ash-Elec2,Ash-SSElec2
6159			Clear Permit	0.25 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:15	6158	Ash-Elec2,Ash-SSElec2
6160		**29A2GR02**	**# B CALCINER - Services Electric Motor And Panel Components**	**3.75 hrs**	**Tue 25/04/23 15:15**	**Wed 26/04/23 08:00**	**6140**	
6161			Make Out Permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30		Operations
6162			Accept Permit	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	6161	Ash-Elec2,Ash-SSElec2
6163			Services Electric Motor And Panel Components	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	6162	Ash-Elec2,Ash-SSElec2
6164			Carry Out Electrical Isolation	0.25 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:15	6163	Ash-Elec2,Ash-SSElec2
6165			Check Loose Connections In The Panel	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	6164	Ash-Elec2,Ash-SSElec2
6166			Check Contactor Contacts	0.25 hrs	Tue 25/04/23 16:30	Tue 25/04/23 16:45	6165	Ash-Elec2,Ash-SSElec2
6167			Service Main/Auxillary Interlocking Switch	0.25 hrs	Tue 25/04/23 16:45	Tue 25/04/23 17:00	6166	Ash-Elec2,Ash-SSElec2
6168			Service Stop/Start	0.25 hrs	Tue 25/04/23 17:00	Tue 25/04/23 17:15	6167	Ash-Elec2,Ash-SSElec2
6169			Check Fan Condition	0.25 hrs	Tue 25/04/23 17:15	Tue 25/04/23 17:30	6168	Ash-Elec2,Ash-SSElec2
6170			Check Cable Terminal Leads For Over Heating	0.25 hrs	Tue 25/04/23 17:30	Tue 25/04/23 17:45	6169	Ash-Elec2,Ash-SSElec2
6171			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Tue 25/04/23 17:45	Wed 26/04/23 07:15	6170	Ash-Elec2,Ash-SSElec2
6172			Seal For Moisture And Dust	0.25 hrs	Wed 26/04/23 07:15	Wed 26/04/23 07:30	6171	Ash-Elec2,Ash-SSElec2
6173			Confirm Correct Protection Settings	0.25 hrs	Wed 26/04/23 07:30	Wed 26/04/23 07:45	6172	Ash-Elec2,Ash-SSElec2
6174			Clear Permit	0.25 hrs	Wed 26/04/23 07:45	Wed 26/04/23 08:00	6173	Ash-Elec2,Ash-SSElec2
6175		**29A2GB04**	**# B CALCINER AUX DRIVE GEAR BOX - Services Electric Motor And Panel Components**	**3.25 hrs**	**Wed 26/04/23 08:00**	**Wed 26/04/23 11:15**	**6160**	
6176			Make Out Permit	0.25 hrs	Wed 26/04/23 08:00	Wed 26/04/23 08:15		Operations
6177			Accept Permit	0.25 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:30	6176	Ash-Elec2,Ash-SSElec2
6178			Services Electric Motor And Panel Components	0.25 hrs	Wed 26/04/23 08:30	Wed 26/04/23 08:45	6177	Ash-Elec2,Ash-SSElec2
6179			Carry Out Electrical Isolation	0.25 hrs	Wed 26/04/23 08:45	Wed 26/04/23 09:00	6178	Ash-Elec2,Ash-SSElec2
6180			Check Loose Connections In The Panel	0.25 hrs	Wed 26/04/23 09:00	Wed 26/04/23 09:15	6179	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6181			Check Contactor Contacts	0.25 hrs	Wed 26/04/23 09:15	Wed 26/04/23 09:30	6180	Ash-Elec2,Ash-SSElec2
6182			Service Stop/Start	0.25 hrs	Wed 26/04/23 09:30	Wed 26/04/23 09:45	6181	Ash-Elec2,Ash-SSElec2
6183			Check Fan Condition	0.25 hrs	Wed 26/04/23 09:45	Wed 26/04/23 10:00	6182	Ash-Elec2,Ash-SSElec2
6184			Check Cable Terminal Leads For Over Heating	0.25 hrs	Wed 26/04/23 10:00	Wed 26/04/23 10:15	6183	Ash-Elec2,Ash-SSElec2
6185			Tighten Motor Connections & Gland Intergrity	0.25 hrs	Wed 26/04/23 10:15	Wed 26/04/23 10:30	6184	Ash-Elec2,Ash-SSElec2
6186			Seal For Moisture And Dust	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45	6185	Ash-Elec2,Ash-SSElec2
6187			Confirm Correct Protection Settings	0.25 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:00	6186	Ash-Elec2,Ash-SSElec2
6188			Clear Permit	0.25 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:15	6187	Ash-Elec2,Ash-SSElec2
6189			**INSTRUMENTATION**	**117 hrs**	**Wed 19/04/23 07:15**	**Sun 30/04/23 08:45**	**5430**	
6190		**29LC201**	**# B CONDENSATE COLLECTING TANK - overhaul valve**	**9 hrs**	**Wed 19/04/23 07:15**	**Wed 19/04/23 16:45**		
6191			Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
6192			Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6191	Ash-Inst3,SS-Ash-Ins3
6193			Disconnect instruments	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	6192	Ash-Inst3,SS-Ash-Ins3
6194			Remove valve	2 hrs	Wed 19/04/23 08:45	Wed 19/04/23 10:45	6193	Aveng,Calc-FT1,Ash-Inst3,SS-Ash-Ins3,G Moeseraela,T
6195			Overhaul valve	3 hrs	Wed 19/04/23 10:45	Wed 19/04/23 14:15	6194	Aveng,Ash-Inst3,SS-Ash-Ins3
6196			Install valve	2 hrs	Wed 19/04/23 14:15	Wed 19/04/23 16:15	6195	Aveng,Calc-FT1,Ash-Inst3,SS-Ash-Ins3,G Moeseraela,T
6197			Stroke check valve	0.25 hrs	Wed 19/04/23 16:15	Wed 19/04/23 16:30	6196	Ash-Inst3,SS-Ash-Ins3
6198			Clear permit	0.25 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:45	6197	Ash-Inst3,SS-Ash-Ins3
6199		**29PC244**	**# B CO2 COMPRESSOR SELF REGULATING VALVES - overhaul**	**8.75 hrs**	**Wed 19/04/23 16:45**	**Thu 20/04/23 15:00**	**6190**	
6200			Make out permit	0.25 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:00		Operations
6201			Accept permit	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	6200	Ash-Inst3,SS-Ash-Ins3
6202			Disconnect instruments	1 hr	Wed 19/04/23 17:15	Thu 20/04/23 07:15	6201	Ash-Inst3,SS-Ash-Ins3
6203			Remove valve	2 hrs	Thu 20/04/23 07:15	Thu 20/04/23 09:15	6202	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6204			Overhaul valve	3 hrs	Thu 20/04/23 09:15	Thu 20/04/23 12:45	6203	Ash-Inst3,SS-Ash-Ins3
6205			Install valve	2 hrs	Thu 20/04/23 12:45	Thu 20/04/23 14:45	6204	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6206			Clear permit	0.25 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:00	6205	Ash-Inst3,SS-Ash-Ins3
6207			**# B CO2 COMPRESSOR DISCHARGE SHUT-OFF VALVE - Overhaul**	**12 hrs**	**Thu 20/04/23 15:00**	**Fri 21/04/23 16:30**	**6199**	
6208			Make out permit	0.25 hrs	Thu 20/04/23 15:00	Thu 20/04/23 15:15		Operations
6209			Accept permit	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	6208	Ash-Inst3,SS-Ash-Ins3
6210			Disconnect instruments	1 hr	Thu 20/04/23 15:30	Thu 20/04/23 16:30	6209	Ash-Inst3,SS-Ash-Ins3
6211			Remove valve	3 hrs	Thu 20/04/23 16:30	Fri 21/04/23 08:30	6210	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6212			Overhaul valve	4 hrs	Fri 21/04/23 08:30	Fri 21/04/23 13:00	6211	Ash-Inst3,SS-Ash-Ins3
6213			Install valve	3 hrs	Fri 21/04/23 13:00	Fri 21/04/23 16:00	6212	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6214			Stroke check valve	0.25 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:15	6213	Ash-Inst3,SS-Ash-Ins3
6215			Clear permit	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	6214	Ash-Inst3,SS-Ash-Ins3
6216			**# B CO2 COMPRESSOR PRESSURE GAUGES - calibrate & mark**	**10.75 hrs**	**Fri 21/04/23 16:30**	**Sat 22/04/23 16:45**	**6207**	
6217			Make out permit	0.25 hrs	Fri 21/04/23 16:30	Fri 21/04/23 16:45		Operations
6218			Accept permit	0.25 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:00	6217	Ash-Inst3,SS-Ash-Ins3
6219			Remove gauges	2 hrs	Fri 21/04/23 17:00	Sat 22/04/23 08:00	6218	Ash-Inst3,SS-Ash-Ins3
6220			Calibrate & mark gauges	5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 13:30	6219	Ash-Inst3,SS-Ash-Ins3
6221			Install gauges	3 hrs	Sat 22/04/23 13:30	Sat 22/04/23 16:30	6220	Ash-Inst3,SS-Ash-Ins3
6222			Clear permit	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	6221	Ash-Inst3,SS-Ash-Ins3
6223		**29PC203**	**# B CALCINER PRESSURE CONTROL VALVE - overhaul valve**	**12.25 hrs**	**Sat 22/04/23 16:45**	**Mon 24/04/23 07:30**	**6216**	
6224			Make out permit	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00		Operations
6225			Accept permit	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	6224	Ash-Inst3,SS-Ash-Ins3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6226			Disconnect instruments	1 hr	Sat 22/04/23 17:15	Sun 23/04/23 07:15	6225	Ash-Inst3,SS-Ash-Ins3
6227			Remove valve	3.25 hrs	Sun 23/04/23 07:15	Sun 23/04/23 10:30	6226	Calc-FT1,Ash-Inst3,SS-Ash-Ins3,G Moeseraela,T Moloi,
6228			Overhaul valve	4 hrs	Sun 23/04/23 10:30	Sun 23/04/23 15:00	6227	Aveng,Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6229			Install valve	3 hrs	Sun 23/04/23 15:00	Sun 23/04/23 18:00	6228	Calc-FT1,Ash-Inst3,SS-Ash-Ins3,G Moeseraela,T Moloi,
6230			Stroke check valve	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	6229	Ash-Inst3,SS-Ash-Ins3
6231			Clear permit	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	6230	Ash-Inst3,SS-Ash-Ins3
6232		**29LC206**	**# B SCRUBBER LEVEL CONTROL VALVE - overhaul valve**	**13.25 hrs**	**Mon 24/04/23 07:30**	**Tue 25/04/23 10:15**	**6223**	
6233			Make out permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45		Operations
6234			Accept permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	6233	Ash-Inst3,SS-Ash-Ins3
6235			Disconnect instruments	1 hr	Mon 24/04/23 08:00	Mon 24/04/23 09:00	6234	Ash-Inst3,SS-Ash-Ins3
6236			Remove valve	4 hrs	Mon 24/04/23 09:00	Mon 24/04/23 13:30	6235	Calc-FT1,Ash-Inst3,SS-Ash-Ins3,G Moeseraela,T Moloi,
6237			Overhaul valve	4 hrs	Mon 24/04/23 13:30	Mon 24/04/23 17:30	6236	Ash-Inst3,SS-Ash-Ins3
6238			Install valve	3 hrs	Mon 24/04/23 17:30	Tue 25/04/23 09:30	6237	Calc-FT1,Ash-Inst3,SS-Ash-Ins3,G Moeseraela,T Moloi,
6239			Stroke check valve	0.5 hrs	Tue 25/04/23 09:30	Tue 25/04/23 10:00	6238	Ash-Inst3,SS-Ash-Ins3
6240			Clear permit	0.25 hrs	Tue 25/04/23 10:00	Tue 25/04/23 10:15	6239	Ash-Inst3,SS-Ash-Ins3
6241		**29LXV201**	**# B CALCINER PRESSURE RELEIVE VALVE - overhaul valve**	**12 hrs**	**Tue 25/04/23 10:15**	**Wed 26/04/23 11:45**	**6232**	
6242			Make out permit	0.25 hrs	Tue 25/04/23 10:15	Tue 25/04/23 10:30		Operations
6243			Accept permit	0.25 hrs	Tue 25/04/23 10:30	Tue 25/04/23 10:45	6242	Ash-Inst3,SS-Ash-Ins3
6244			Disconnect instruments	1 hr	Tue 25/04/23 10:45	Tue 25/04/23 11:45	6243	Ash-Inst3,SS-Ash-Ins3
6245			Remove valve	3 hrs	Tue 25/04/23 11:45	Tue 25/04/23 15:15	6244	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6246			Overhaul valve	4 hrs	Tue 25/04/23 15:15	Wed 26/04/23 08:15	6245	Ash-Inst3,SS-Ash-Ins3
6247			Install valve	3 hrs	Wed 26/04/23 08:15	Wed 26/04/23 11:15	6246	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6248			Stroke check valve	0.25 hrs	Wed 26/04/23 11:15	Wed 26/04/23 11:30	6247	Ash-Inst3,SS-Ash-Ins3
6249			Clear permit	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	6248	Ash-Inst3,SS-Ash-Ins3
6250		**29LC211A**	**# B CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**12 hrs**	**Wed 26/04/23 11:45**	**Thu 27/04/23 13:45**	**6241**	
6251			Make out permit	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00		Operations
6252			Accept permit	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	6251	Ash-Inst3,SS-Ash-Ins3
6253			Disconnect instruments	1 hr	Wed 26/04/23 12:45	Wed 26/04/23 13:45	6252	Ash-Inst3,SS-Ash-Ins3
6254			Remove valve	3 hrs	Wed 26/04/23 13:45	Wed 26/04/23 16:45	6253	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6255			Overhaul valve	4 hrs	Wed 26/04/23 16:45	Thu 27/04/23 09:45	6254	Ash-Inst3,SS-Ash-Ins3
6256			Install valve	3 hrs	Thu 27/04/23 09:45	Thu 27/04/23 13:15	6255	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6257			Stroke check valve	0.25 hrs	Thu 27/04/23 13:15	Thu 27/04/23 13:30	6256	Ash-Inst3,SS-Ash-Ins3
6258			Clear permit	0.25 hrs	Thu 27/04/23 13:30	Thu 27/04/23 13:45	6257	Ash-Inst3,SS-Ash-Ins3
6259		**29LC211B**	**# B CO2 COMPRESSOR CONDENSATE RECEIVER LEVEL - overhaul valve**	**12.25 hrs**	**Thu 27/04/23 13:45**	**Fri 28/04/23 15:30**	**6250**	
6260			Make out permit	0.25 hrs	Thu 27/04/23 13:45	Thu 27/04/23 14:00		Operations
6261			Accept permit	1 hr	Thu 27/04/23 14:00	Thu 27/04/23 15:00	6260	Ash-Inst3,SS-Ash-Ins3
6262			Disconnect instruments	3 hrs	Thu 27/04/23 15:00	Thu 27/04/23 18:00	6261	Ash-Inst3,SS-Ash-Ins3
6263			Remove valve	4 hrs	Fri 28/04/23 07:00	Fri 28/04/23 11:00	6262	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6264			Overhaul valve	3 hrs	Fri 28/04/23 11:00	Fri 28/04/23 14:30	6263	Ash-Inst3,SS-Ash-Ins3
6265			Install valve	0.5 hrs	Fri 28/04/23 14:30	Fri 28/04/23 15:00	6264	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6266			Stroke check valve	0.25 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:15	6265	Ash-Inst3,SS-Ash-Ins3
6267			Clear permit	0.25 hrs	Fri 28/04/23 15:15	Fri 28/04/23 15:30	6266	Ash-Inst3,SS-Ash-Ins3
6268		**29LC210**	**# B CO2 COMPRESSOR SEAL WATER RECEIVER LEVEL - overhaul valve**	**9.25 hrs**	**Fri 28/04/23 15:30**	**Sat 29/04/23 14:15**	**6259**	
6269			Make out permit	0.25 hrs	Fri 28/04/23 15:30	Fri 28/04/23 15:45		Operations
6270			Accept permit	1 hr	Fri 28/04/23 15:45	Fri 28/04/23 16:45	6269	Ash-Inst3,SS-Ash-Ins3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6271			Disconnect instruments	3 hrs	Fri 28/04/23 16:45	Sat 29/04/23 08:45	6270	Ash-Inst3,SS-Ash-Ins3
6272			Remove valve	4 hrs	Sat 29/04/23 08:45	Sat 29/04/23 13:15	6271	Calc-FT1,Ash-Inst3,SS-Ash-Ins3
6273			Install valve	0.5 hrs	Sat 29/04/23 13:15	Sat 29/04/23 13:45	6272	Ash-Inst3,SS-Ash-Ins3
6274			Stroke check valve	0.25 hrs	Sat 29/04/23 13:45	Sat 29/04/23 14:00	6273	Ash-Inst3,SS-Ash-Ins3
6275			Clear permit	0.25 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:15	6274	Ash-Inst3,SS-Ash-Ins3
6276		**29ZI 201**	**# B CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Sat 29/04/23 14:15**	**Sat 29/04/23 17:00**	**6268**	
6277			Make out permit	0.25 hrs	Sat 29/04/23 14:15	Sat 29/04/23 14:30		Operations
6278			Accept permit	0.25 hrs	Sat 29/04/23 14:30	Sat 29/04/23 14:45	6277	Ash-Inst3,SS-Ash-Ins3
6279			Inspect the system	2 hrs	Sat 29/04/23 14:45	Sat 29/04/23 16:45	6278	Ash-Inst3,SS-Ash-Ins3
6280			Clear permit	0.25 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:00	6279	Ash-Inst3,SS-Ash-Ins3
6281		**29ZI 202**	**# B CO2 COMPRESSOR - Inspect thrust bearing position monitoring system**	**2.75 hrs**	**Sat 29/04/23 17:00**	**Sun 30/04/23 08:45**	**6276**	
6282			Make out permit	0.25 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:15		Operations
6283			Accept permit	0.25 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:30	6282	Ash-Inst3,SS-Ash-Ins3
6284			Inspect the system	2 hrs	Sat 29/04/23 17:30	Sun 30/04/23 08:30	6283	Ash-Inst3,SS-Ash-Ins3
6285			Clear permit	0.25 hrs	Sun 30/04/23 08:30	Sun 30/04/23 08:45	6284	Ash-Inst3,SS-Ash-Ins3
6286		**AREA 29B**	**CALCINER GAS TREATMENT - A LINE**	**221.75 hrs**	**Mon 17/04/23 06:30**	**Mon 08/05/23 08:15**		
6287			**OPERATIONS**	**33.25 hrs**	**Mon 17/04/23 07:00**	**Thu 20/04/23 08:45**		
6288			**# A GAS SCRUBBER - Cleaning, inspections and repairs**	**33.25 hrs**	**Mon 17/04/23 07:00**	**Thu 20/04/23 08:45**		
6289			Make Out Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		M Ramosomana,M Kene
6290			Accept Permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	6289	M Ramosomana,M Kene
6291			Slip Plate Co2 Inlet	5 hrs	Mon 17/04/23 07:30	Mon 17/04/23 13:00	6290	M Ramosomana,M Kene
6292			Drain Scrubber	0.5 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:30	6291	Operations
6293			Close Scrubber Makeup	0.25 hrs	Mon 17/04/23 13:30	Mon 17/04/23 13:45	6292	Operations
6294			Close Water To Sprays	0.25 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:00	6293	Operations
6295			Open Scrubber Manholes	2 hrs	Mon 17/04/23 14:00	Mon 17/04/23 16:00	6294	Operations
6296			Accept Vessel Entry Permit	0.5 hrs	Mon 17/04/23 16:00	Mon 17/04/23 16:30	6295	Operations
6297			Remove Rachet Rings	10 hrs	Mon 17/04/23 16:30	Tue 18/04/23 16:00	6296	Engineer,Superintendent
6298			Replace Rings	10 hrs	Tue 18/04/23 16:00	Wed 19/04/23 15:30	6297	M Ramosomana,M Kene,T Moloi,K Gabantogele,G Mc
6299			Close Manhole Covers	2 hrs	Wed 19/04/23 15:30	Wed 19/04/23 17:30	6298	M Ramosomana,M Kene
6300			Remove Slip Plate	2 hrs	Wed 19/04/23 17:30	Thu 20/04/23 08:30	6299	M Ramosomana,M Kene
6301			Organize Rings Prior	0 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:30	6300	Operations
6302			Clear Permits	0.25 hrs	Thu 20/04/23 08:30	Thu 20/04/23 08:45	6301	Operations
6303			**SEAL WATER TANK - Cleaning**	**7.25 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 14:45**		
6304			Open manhole cover	1 hr	Mon 17/04/23 07:00	Mon 17/04/23 08:00		M Ramosomana,M Kene
6305			Complete vessel entry permit	0.25 hrs	Mon 17/04/23 08:00	Mon 17/04/23 08:15	6304	Operations
6306			Accept Permit	0.25 hrs	Mon 17/04/23 08:15	Mon 17/04/23 08:30	6305	Operations
6307			Clean tank	4 hrs	Mon 17/04/23 08:30	Mon 17/04/23 12:30	6306	Operations
6308			Mop tank	1 hr	Mon 17/04/23 12:30	Mon 17/04/23 13:30	6307	Operations
6309			Close manhole cover	1 hr	Mon 17/04/23 13:30	Mon 17/04/23 14:30	6308	M Ramosomana,M Kene
6310			Clear permit	0.25 hrs	Mon 17/04/23 14:30	Mon 17/04/23 14:45	6309	Operations
6311			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 08:00**	**Wed 19/04/23 08:00**	**4463SS**	
6312			Maintenance jobs commence	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		
6313			**MECHANICAL**	**199.75 hrs**	**Wed 19/04/23 08:00**	**Mon 08/05/23 08:15**	**6311**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6314		**29B2DK01**	**# A CALCINER CO2 SCRUBBER - Carry Out Inspection**	**158.25 hrs**	**Wed 19/04/23 08:00**	**Thu 04/05/23 08:45**		
6315			Make Out Permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
6316			Accept Permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	6315	M Ramosomana,M Kene
6317			Accept Vessel Entry Permit	0.5 hrs	Wed 19/04/23 08:30	Wed 19/04/23 09:00	6316	Operations
6318			Inspect Gas Inlet Pipe	1 hr	Wed 19/04/23 09:00	Wed 19/04/23 10:00	6317	Engineer,Supt
6319			Possible repairs	24 hrs	Wed 19/04/23 10:00	Fri 21/04/23 13:30	6318	M Ramatlhakeng,S Monna
6320			Carry out thickness test prior	2 hrs	Fri 21/04/23 13:30	Fri 21/04/23 15:30	6319	Reliability
6321			Measure and cut worn out potions	12 hrs	Fri 21/04/23 15:30	Sat 22/04/23 17:00	6320	M Ramatlhakeng,S Monna
6322			Rig out old plates	4 hrs	Sat 22/04/23 17:00	Sun 23/04/23 10:00	6321	M-Crane 35Ton,G Moeseraela,T Moloi,M Ramatlhake
6323			Measure and cut new patches	12 hrs	Sun 23/04/23 10:00	Mon 24/04/23 11:30	6322	M Ramatlhakeng,S Monna
6324			Clean mating edges	8 hrs	Mon 24/04/23 11:30	Tue 25/04/23 09:00	6323	Weld (Ash)
6325			Rig up new plates	6 hrs	Tue 25/04/23 09:00	Tue 25/04/23 15:30	6324	M-Crane 35Ton,G Moeseraela,T Moloi,M Ramatlhake
6326			Align and tack weld patch plates	36 hrs	Tue 25/04/23 15:30	Sat 29/04/23 09:00	6325	M-Crane 35Ton,G Moeseraela,T Moloi,M Ramatlhake
6327			Weld patch plates	40 hrs	Sat 29/04/23 09:00	Tue 02/05/23 18:00	6326	Weld (Ash)
6328			Dress welds	12 hrs	Wed 03/05/23 07:00	Thu 04/05/23 08:30	6327	Weld (Ash)
6329			Clear Permit	0.25 hrs	Thu 04/05/23 08:30	Thu 04/05/23 08:45	6328	M Ramosomana,M Kene
6330		**29B2GA01**	**# A SCRUBBER CIRCULATION PUMP A1 - Relocate pumps to new base**	**39.25 hrs**	**Wed 19/04/23 08:00**	**Sat 22/04/23 16:15**		
6331			Fabricate and install new bases prior	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00		
6332			Clean The Area (Prior)	0 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:00	6331	Operations
6333			Make Out Permits	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	6332	M Ramosomana,M Kene
6334			Accept Permit To Work	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	6333	M Ramosomana,M Kene
6335			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	6334	M Ramosomana,M Kene
6336			Disconnect pump motor	1.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 10:15	6335	M Ramatlhakeng,S Monna
6337			Remove coupling guard	0.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:45	6336	M Ramosomana,M Kene,G Moeseraela,T Moloi
6338			Uncouple pump and motor	1 hr	Wed 19/04/23 10:45	Wed 19/04/23 11:45	6337	M Ramosomana,M Kene
6339			Loosen motor mounting bolts	0.5 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:45	6338	M Ramosomana,M Kene
6340			Rig out motor	1 hr	Wed 19/04/23 12:45	Wed 19/04/23 13:45	6339	Crane,G Moeseraela,T Moloi
6341			Loosen all pump mounting bolts including suction and discharge ports	2.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 16:15	6340	M Ramosomana,M Kene
6342			Rig out pump	1 hr	Wed 19/04/23 16:15	Wed 19/04/23 17:15	6341	Crane,G Moeseraela,T Moloi
6343			Remove old suction and discharge pipes and bellows	6 hrs	Wed 19/04/23 17:15	Thu 20/04/23 12:45	6342	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6344			Install new modified pipes and bellows	12 hrs	Thu 20/04/23 12:45	Fri 21/04/23 14:15	6343	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6345			Rig pump onto new base and mount	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	6344	Crane,G Moeseraela,T Moloi
6346			Align new suction and discharge pipes to pump	1 hr	Fri 21/04/23 15:15	Fri 21/04/23 16:15	6345	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6347			Tighten flange and mounting bolts	2 hrs	Fri 21/04/23 16:15	Sat 22/04/23 07:15	6346	M Ramosomana,M Kene
6348			Rig in motor and mount	1 hr	Sat 22/04/23 07:15	Sat 22/04/23 08:15	6347	Crane,G Moeseraela,T Moloi
6349			Carry out rough alignment between motor and pump	1.5 hrs	Sat 22/04/23 08:15	Sat 22/04/23 09:45	6348	M Ramosomana,M Kene
6350			Couple motor to pump	0.5 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:15	6349	M Ramosomana,M Kene
6351			Carry out laser alignment	3 hrs	Sat 22/04/23 10:15	Sat 22/04/23 13:45	6350	Reliability
6352			Tighten mounting bolts	1.5 hrs	Sat 22/04/23 13:45	Sat 22/04/23 15:15	6351	M Ramosomana,M Kene
6353			Install coupling guard	0.5 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:45	6352	M Ramosomana,M Kene
6354			Carry Out Housekeeping	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	6353	M Ramosomana,M Kene
6355			Clear Permit	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15	6354	M Ramosomana,M Kene
6356		**29B2GA01**	**# A SCRUBBER CIRCULATION PUMP A1 - Carry out inspection**	**9.75 hrs**	**Sat 22/04/23 16:15**	**Sun 23/04/23 15:30**	**6330**	
6357			Make Out Permit	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30		Operations
6358			Accept Permit	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	6357	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6359			Remove Guard	0.5 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:15	6358	M Ramosomana,M Kene
6360			Inspect Coupling	1 hr	Sat 22/04/23 17:15	Sun 23/04/23 07:15	6359	M Ramosomana,M Kene
6361			Check all mounting bolts	0.5 hrs	Sun 23/04/23 07:15	Sun 23/04/23 07:45	6360	M Ramosomana,M Kene
6362			Check condition of the base	1 hr	Sun 23/04/23 07:45	Sun 23/04/23 08:45	6361	M Ramosomana,M Kene
6363			Check all flanges both discharge& suction	0.5 hrs	Sun 23/04/23 08:45	Sun 23/04/23 09:15	6362	M Ramosomana,M Kene
6364			Inspect all belows	1 hr	Sun 23/04/23 09:15	Sun 23/04/23 10:15	6363	M Ramosomana,M Kene
6365			Drain& Refill Oil	1.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 11:45	6364	M Ramosomana,M Kene
6366			Repack glands	1 hr	Sun 23/04/23 11:45	Sun 23/04/23 13:15	6365	M Ramosomana,M Kene
6367			Carry Out or cross check Laser Alignment	2 hrs	Sun 23/04/23 13:15	Sun 23/04/23 15:15	6366	Reliability
6368			Clear Permit	0.25 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:30	6367	M Ramosomana,M Kene
6369		**29B2GA04**	**# A SCRUBBER CIRCULATION PUMP A2 - Relocate pumps to new base**	**39.25 hrs**	**Sun 23/04/23 15:30**	**Thu 27/04/23 12:45**	**6356**	
6370			Fabricate and install new bases prior	0 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:30		
6371			Clean The Area (Prior)	0 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:30	6370	Operations
6372			Make Out Permits	0.25 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:45	6371	M Ramosomana,M Kene
6373			Accept Permit To Work	0.25 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:00	6372	M Ramosomana,M Kene
6374			Carry Out Risk Assesment	0.25 hrs	Sun 23/04/23 16:00	Sun 23/04/23 16:15	6373	M Ramosomana,M Kene
6375			Disconnect pump motor	1.5 hrs	Sun 23/04/23 16:15	Sun 23/04/23 17:45	6374	M Ramatlhakeng,S Monna
6376			Remove coupling guard	0.5 hrs	Sun 23/04/23 17:45	Mon 24/04/23 07:15	6375	M Ramosomana,M Kene,G Moeseraela,T Moloi
6377			Uncouple pump and motor	1 hr	Mon 24/04/23 07:15	Mon 24/04/23 08:15	6376	M Ramosomana,M Kene
6378			Loosen motor mounting bolts	0.5 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:45	6377	M Ramosomana,M Kene
6379			Rig out motor	1 hr	Mon 24/04/23 08:45	Mon 24/04/23 09:45	6378	Crane,G Moeseraela,T Moloi
6380			Loosen all pump mounting bolts including suction and discharge ports	2.5 hrs	Mon 24/04/23 09:45	Mon 24/04/23 12:45	6379	M Ramosomana,M Kene
6381			Rig out pump	1 hr	Mon 24/04/23 12:45	Mon 24/04/23 13:45	6380	Crane,G Moeseraela,T Moloi
6382			Remove old suction and discharge pipes and bellows	6 hrs	Mon 24/04/23 13:45	Tue 25/04/23 08:45	6381	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6383			Install new modified pipes and bellows	12 hrs	Tue 25/04/23 08:45	Wed 26/04/23 10:15	6382	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6384			Rig pump onto new base and mount	1 hr	Wed 26/04/23 10:15	Wed 26/04/23 11:15	6383	Crane,G Moeseraela,T Moloi
6385			Align new suction and discharge pipes to pump	1 hr	Wed 26/04/23 11:15	Wed 26/04/23 12:45	6384	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6386			Tighten flange and mounting bolts	2 hrs	Wed 26/04/23 12:45	Wed 26/04/23 14:45	6385	M Ramosomana,M Kene
6387			Rig in motor and mount	1 hr	Wed 26/04/23 14:45	Wed 26/04/23 15:45	6386	Crane,G Moeseraela,T Moloi
6388			Carry out rough alignment between motor and pump	1.5 hrs	Wed 26/04/23 15:45	Wed 26/04/23 17:15	6387	M Ramosomana,M Kene
6389			Couple motor to pump	0.5 hrs	Wed 26/04/23 17:15	Wed 26/04/23 17:45	6388	M Ramosomana,M Kene
6390			Carry out laser alignment	3 hrs	Wed 26/04/23 17:45	Thu 27/04/23 09:45	6389	Reliability
6391			Tighten mounting bolts	1.5 hrs	Thu 27/04/23 09:45	Thu 27/04/23 11:15	6390	M Ramosomana,M Kene
6392			Install coupling guard	0.5 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:45	6391	M Ramosomana,M Kene
6393			Carry Out Housekeeping	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	6392	M Ramosomana,M Kene
6394			Clear Permit	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	6393	M Ramosomana,M Kene
6395		**29B2GA01**	**# A SCRUBBER CIRCULATION PUMP A2 - Carry out inspection**	**9.75 hrs**	**Thu 27/04/23 12:45**	**Fri 28/04/23 11:30**	**6369**	
6396			Make Out Permit	0.25 hrs	Thu 27/04/23 12:45	Thu 27/04/23 13:00		Operations
6397			Accept Permit	0.25 hrs	Thu 27/04/23 13:00	Thu 27/04/23 13:15	6396	M Ramosomana,M Kene
6398			Remove Guard	0.5 hrs	Thu 27/04/23 13:15	Thu 27/04/23 13:45	6397	M Ramosomana,M Kene
6399			Inspect Coupling	1 hr	Thu 27/04/23 13:45	Thu 27/04/23 14:45	6398	M Ramosomana,M Kene
6400			Check all mounting bolts	0.5 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:15	6399	M Ramosomana,M Kene
6401			Check condition of the base	1 hr	Thu 27/04/23 15:15	Thu 27/04/23 16:15	6400	M Ramosomana,M Kene
6402			Check all flanges both discharge& suction	0.5 hrs	Thu 27/04/23 16:15	Thu 27/04/23 16:45	6401	M Ramosomana,M Kene
6403			Inspect all belows	1 hr	Thu 27/04/23 16:45	Thu 27/04/23 17:45	6402	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6404			Drain& Refill Oil	1.5 hrs	Thu 27/04/23 17:45	Fri 28/04/23 08:15	6403	M Ramosomana,M Kene
6405			Repack glands	1 hr	Fri 28/04/23 08:15	Fri 28/04/23 09:15	6404	M Ramosomana,M Kene
6406			Carry Out or cross check Laser Alignment	2 hrs	Fri 28/04/23 09:15	Fri 28/04/23 11:15	6405	Reliability
6407			Clear Permit	0.25 hrs	Fri 28/04/23 11:15	Fri 28/04/23 11:30	6406	M Ramosomana,M Kene
6408		**29B2EA01**	**# A SCRUBBER CONDENSATE COOLER - Clean Cooler & inspect**	**13.75 hrs**	**Fri 28/04/23 11:30**	**Sat 29/04/23 15:15**	**6395**	
6409			Clean the area (prior)	0.25 hrs	Fri 28/04/23 11:30	Fri 28/04/23 11:45		Operations
6410			Make out permits	0.25 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:00	6409	Operations
6411			Accept permit to work	0.25 hrs	Fri 28/04/23 12:30	Fri 28/04/23 12:45	6410	M Ramosomana,M Kene
6412			Carry out risk assesment	0.25 hrs	Fri 28/04/23 12:45	Fri 28/04/23 13:00	6411	All Trades
6413			Remove the Denso tape	0.25 hrs	Fri 28/04/23 13:00	Fri 28/04/23 13:15	6412	M Ramosomana,M Kene
6414			Loosen and remove tie rods following the correct sequence to avoid twisting and bending of the plates	2 hrs	Fri 28/04/23 13:15	Fri 28/04/23 15:15	6413	M Ramosomana,M Kene
6415			Pull back the plate follower using a using a lever hoist to allow easy removal of the plates	0.5 hrs	Fri 28/04/23 15:15	Fri 28/04/23 15:45	6414	M Ramosomana,M Kene
6416			Remove the plates and stack them on the pallets according to their pattern	2 hrs	Fri 28/04/23 15:45	Fri 28/04/23 17:45	6415	M Ramosomana,M Kene
6417			Clean plate follower and head	2 hrs	Fri 28/04/23 17:45	Sat 29/04/23 08:45	6416	
6418			Install new platepack	1.5 hrs	Sat 29/04/23 08:45	Sat 29/04/23 10:15	6417	
6419			Reposition the follower and tie rods	0.25 hrs	Sat 29/04/23 10:15	Sat 29/04/23 10:30	6418	M Ramosomana,M Kene
6420			Tighten the tie rods following a correct sequence so that the back plate moves and compresses the plates squarely	2 hrs	Sat 29/04/23 10:30	Sat 29/04/23 13:00	6419	M Ramosomana,M Kene
6421			Pressure test	0.5 hrs	Sat 29/04/23 13:00	Sat 29/04/23 13:30	6420	M Ramosomana,M Kene
6422			Apply anti seize to the tie rods and wrap with denso after completion	1 hr	Sat 29/04/23 13:30	Sat 29/04/23 14:30	6421	M Ramosomana,M Kene
6423			Carry out housekeeping	0.5 hrs	Sat 29/04/23 14:30	Sat 29/04/23 15:00	6422	M Ramosomana,M Kene
6424			Clear permit	0.25 hrs	Sat 29/04/23 15:00	Sat 29/04/23 15:15	6423	Operations
6425		**29B2GB01**	**# A CALCINER CO2 COMPRESSOR - Clean Air Vents**	**10.75 hrs**	**Wed 19/04/23 08:00**	**Thu 20/04/23 08:15**		
6426			Make Out Permit	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15		Operations
6427			Accept Permit	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	6426	Elec (Ash)
6428			Loosen & Remove End Covers	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	6427	Rig (Ash) 6,Scal Ft1,M-Crane 7Ton,M Ramosomana,M
6429			Clean Air Vents	6 hrs	Wed 19/04/23 09:30	Wed 19/04/23 16:00	6428	Elec (Ash)
6430			Open & Inspect Bearing	2 hrs	Wed 19/04/23 16:00	Wed 19/04/23 18:00	6429	M Ramosomana,M Kene
6431			Replace & Box Up End Cover	1 hr	Thu 20/04/23 07:00	Thu 20/04/23 08:00	6430	Rig (Ash) 6,Scal Ft1,M-Crane 7Ton,M Ramosomana,M
6432			Clear Permit	0.25 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:15	6431	Elec (Ash)
6433		**29B2ST01**	**# A CALCINER CO2 COMPRESSOR SEAL WATER SUPPLY LINE - Replace 25NB by 50NB pipe**	**20.5 hrs**	**Thu 04/05/23 08:45**	**Sat 06/05/23 08:15**	**6314**	
6434			Erect scaffolding prior	0 hrs	Thu 04/05/23 08:45	Thu 04/05/23 08:45		G Moeseraela,T Moloi
6435			Make out permits	0.25 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:00	6434	Operations
6436			Accept permit to work	0.25 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:15	6435	M Ramatlhakeng,S Monna
6437			Carry out risk assesment	0.25 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:30	6436	M Ramatlhakeng,S Monna
6438			Accept permit	0.25 hrs	Thu 04/05/23 09:30	Thu 04/05/23 09:45	6437	M Ramatlhakeng,S Monna
6439			Carry out risk assement	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	6438	M Ramatlhakeng,S Monna
6440			Undo/cut out bolts	2 hrs	Thu 04/05/23 10:00	Thu 04/05/23 12:00	6439	M Ramatlhakeng,S Monna
6441			Rig out old pipes	2 hrs	Thu 04/05/23 12:30	Thu 04/05/23 14:30	6440	G Moeseraela,T Moloi
6442			Rig in new pipes	2 hrs	Thu 04/05/23 14:30	Thu 04/05/23 16:30	6441	G Moeseraela,T Moloi
6443			Align flanges insert gaskets & insert bolts	4 hrs	Thu 04/05/23 16:30	Fri 05/05/23 09:30	6442	G Moeseraela,T Moloi,M Ramatlhakeng,S Monna

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6444			Align, square & tag pipes in position	4 hrs	Fri 05/05/23 09:30	Fri 05/05/23 14:00	6443	M Ramatlhakeng,S Monna
6445			Weld up pipes	4 hrs	Fri 05/05/23 14:00	Fri 05/05/23 18:00	6444	Welder
6446			Decontamination process	1 hr	Fri 05/05/23 18:00	Fri 05/05/23 19:00	6445	Operations
6447			Housekeeping	1 hr	Sat 06/05/23 07:00	Sat 06/05/23 08:00	6446	M Ramatlhakeng,S Monna
6448			Sign off & clear permit	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	6447	M Ramatlhakeng,S Monna
6449		**29B2ST01**	**# A CALCINER CO2 COMPRESSOR COOLING WATER LINE - Replace pipes**	**21 hrs**	**Sat 06/05/23 08:15**	**Mon 08/05/23 08:15**	**6433**	
6450			Erect scaffolding prior	0 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:15		G Moeseraela,T Moloi
6451			Make out permits	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	6450	Operations
6452			Accept permit to work	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	6451	M Ramatlhakeng,S Monna
6453			Carry out risk assesment	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	6452	M Ramatlhakeng,S Monna
6454			Accept permit	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	6453	M Ramatlhakeng,S Monna
6455			Carry out risk assement	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	6454	M Ramatlhakeng,S Monna
6456			Undo/cut out bolts	2 hrs	Sat 06/05/23 09:30	Sat 06/05/23 11:30	6455	M Ramatlhakeng,S Monna
6457			Rig out old pipes	2 hrs	Sat 06/05/23 11:30	Sat 06/05/23 14:00	6456	G Moeseraela,T Moloi
6458			Rig in new pipes	2 hrs	Sat 06/05/23 14:00	Sat 06/05/23 16:00	6457	G Moeseraela,T Moloi
6459			Align flanges insert gaskets & insert bolts	4 hrs	Sat 06/05/23 16:00	Sun 07/05/23 09:00	6458	G Moeseraela,T Moloi,M Ramatlhakeng,S Monna
6460			Align, square & tag pipes in position	4 hrs	Sun 07/05/23 09:00	Sun 07/05/23 13:30	6459	M Ramatlhakeng,S Monna
6461			Weld up pipes	4 hrs	Sun 07/05/23 13:30	Sun 07/05/23 17:30	6460	Welder
6462			Decontamination process	1 hr	Sun 07/05/23 17:30	Sun 07/05/23 18:30	6461	Operations
6463			Housekeeping	1 hr	Mon 08/05/23 07:00	Mon 08/05/23 08:00	6462	M Ramatlhakeng,S Monna
6464			Sign off & clear permit	0.25 hrs	Mon 08/05/23 08:00	Mon 08/05/23 08:15	6463	M Ramatlhakeng,S Monna
6465			**INSTRUMENTATION**	**12.38 hrs**	**Mon 17/04/23 06:30**	**Tue 18/04/23 08:53**		
6466		**29FI101**	**# A CALCINER STEAM FLOW - Inspect Annubar**	**12.38 hrs**	**Mon 17/04/23 06:30**	**Tue 18/04/23 08:53**		
6467			Make Out Permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45		Operations
6468			Accept Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	6467	Ash-Inst3,SS-Ash-Ins3
6469			Disconnect Instruments	1 hr	Mon 17/04/23 07:15	Mon 17/04/23 08:15	6468	Ash-Inst3,SS-Ash-Ins3
6470			Remove Valve	3 hrs	Mon 17/04/23 08:15	Mon 17/04/23 11:15	6469	Ash-Inst3,SS-Ash-Ins3,M Ramosomana,M Kene
6471			Overhaul Valve	4 hrs	Mon 17/04/23 11:15	Mon 17/04/23 15:45	6470	Aveng,Ash-Inst3,SS-Ash-Ins3
6472			Install Valve	3.38 hrs	Mon 17/04/23 15:45	Tue 18/04/23 08:08	6471	Ash-Inst3,SS-Ash-Ins3,M Ramosomana,M Kene
6473			Stroke Check Valve	0.5 hrs	Tue 18/04/23 08:08	Tue 18/04/23 08:38	6472	Ash-Inst3,SS-Ash-Ins3
6474			Clear Permit	0.25 hrs	Tue 18/04/23 08:38	Tue 18/04/23 08:53	6473	Ash-Inst3,SS-Ash-Ins3
6475		**Area 29B**	**CALCINER GAS TREATMENT - B LINE**	**188.75 hrs**	**Mon 17/04/23 07:00**	**Thu 04/05/23 17:45**		
6476			**OPERATIONS**	**120.5 hrs**	**Mon 17/04/23 07:00**	**Fri 28/04/23 12:00**		
6477			**# B GAS SCRUBBER - Cleaning, inspections and repairs**	**120.5 hrs**	**Mon 17/04/23 07:00**	**Fri 28/04/23 12:00**		
6478			Make Out Permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15		M Ramosomana,M Kene
6479			Accept Permit	0.25 hrs	Mon 17/04/23 07:15	Mon 17/04/23 07:30	6478	M Ramosomana,M Kene
6480			Drain Scrubber	0.5 hrs	Mon 17/04/23 07:30	Mon 17/04/23 08:00	6479	Operations
6481			Close Scrubber Makeup	0.25 hrs	Mon 17/04/23 08:00	Mon 17/04/23 08:15	6480	Operations
6482			Close Water To Sprays	0.25 hrs	Mon 17/04/23 08:15	Mon 17/04/23 08:30	6481	Operations
6483			Open Scrubber Manholes	2 hrs	Mon 17/04/23 08:30	Mon 17/04/23 10:30	6482	Operations
6484			Accept Vessel Entry Permit	0.5 hrs	Mon 17/04/23 10:30	Mon 17/04/23 11:00	6483	Operations
6485			Remove Rachet Rings	10 hrs	Mon 17/04/23 11:00	Tue 18/04/23 10:30	6484	Engineer,Superintendent
6486			Replace Rings	10 hrs	Thu 27/04/23 10:15	Fri 28/04/23 09:45	6485,6501	M Ramosomana,M Kene,T Moloi,K Gabantogele,G Mc
6487			Close Manhole Covers	2 hrs	Fri 28/04/23 09:45	Fri 28/04/23 11:45	6486	M Ramosomana,M Kene
6488			Organize Rings Prior	0 hrs	Fri 28/04/23 11:45	Fri 28/04/23 11:45	6487	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6489			Clear Permits	0.25 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:00	6488	Operations
6490			**# B SEAL WATER TANK - Cleaning**	**6.25 hrs**	**Mon 17/04/23 07:00**	**Mon 17/04/23 13:45**		
6491			Open manhole cover	1 hr	Mon 17/04/23 07:00	Mon 17/04/23 08:00		M Ramosomana,M Kene
6492			Complete vessel entry permit	0.25 hrs	Mon 17/04/23 08:00	Mon 17/04/23 08:15	6491	Operations
6493			Accept Permit	0.25 hrs	Mon 17/04/23 08:15	Mon 17/04/23 08:30	6492	Operations
6494			Clean tank	3 hrs	Mon 17/04/23 08:30	Mon 17/04/23 11:30	6493	Operations
6495			Mop tank	1 hr	Mon 17/04/23 11:30	Mon 17/04/23 12:30	6494	Operations
6496			Close manhole cover	1 hr	Mon 17/04/23 12:30	Mon 17/04/23 13:30	6495	M Ramosomana,M Kene
6497			Clear permit	0.25 hrs	Mon 17/04/23 13:30	Mon 17/04/23 13:45	6496	Operations
6498			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 07:15**	**Wed 19/04/23 07:15**	**5430SS**	
6499			Maintenance jobs commence	0 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:15		
6500			**MECHANICAL**	**167.5 hrs**	**Wed 19/04/23 07:15**	**Thu 04/05/23 17:45**	**6498**	
6501		**29B2DK02**	**# B CALCINER CO2 SCRUBBER - Glasscoat vessel**	**87 hrs**	**Wed 19/04/23 07:15**	**Thu 27/04/23 10:15**	**6485**	
6502			Remove scrubber packings prior	0 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:15		Operations
6503			Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30	6502	Operations
6504			Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6503	M Ramosomana,M Kene
6505			Open Scrubber Manhole cover	3 hrs	Wed 19/04/23 07:45	Wed 19/04/23 10:45	6504	Rig (Ash) 5,Scal Ft7,M Ramosomana,M Kene
6506			Accept Vessel Entry Permit	0.5 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:15	6505	M Ramosomana,M Kene
6507			Install decontamination controls	6 hrs	Wed 19/04/23 11:15	Wed 19/04/23 17:45	6506	M Ramosomana,M Kene
6508			Erect scaffolding internally	4 hrs	Wed 19/04/23 17:45	Thu 20/04/23 10:45	6507	RSC
6509			Remove worn out Gas Inlet Pipe	3 hrs	Thu 20/04/23 10:45	Thu 20/04/23 14:15	6508	M Ramatlhakeng,S Monna
6510			Sandblast vessel	8 hrs	Thu 20/04/23 14:15	Thu 20/04/23 22:15	6509	Corrocoat
6511			Clean surfaces	8 hrs	Thu 20/04/23 22:15	Fri 21/04/23 06:15	6510	Corrocoat
6512			Carry out thickness test	2 hrs	Fri 21/04/23 06:15	Fri 21/04/23 08:15	6511	Corrocoat
6513			Carry out repairs to worn out, holed or damaged areas	24 hrs	Fri 21/04/23 08:15	Sat 22/04/23 08:15	6512	Corrocoat
6514			Decontaminate vessel	6 hrs	Sat 22/04/23 08:15	Sat 22/04/23 14:15	6513	Corrocoat
6515			Replace Gas Inlet Pipe	8 hrs	Sat 22/04/23 14:15	Sun 23/04/23 11:15	6514	M Ramatlhakeng,S Monna
6516			Carry out glasscoating priming	12 hrs	Sun 23/04/23 11:15	Sun 23/04/23 23:15	6515	Corrocoat
6517			Curing time	8 hrs	Mon 24/04/23 07:00	Mon 24/04/23 15:30	6516	
6518			Carry out glasscoating final coat	12 hrs	Mon 24/04/23 15:30	Tue 25/04/23 03:30	6517	Corrocoat
6519			Curing time	8 hrs	Tue 25/04/23 07:00	Tue 25/04/23 15:30	6518	
6520			Remove scaffold	2 hrs	Tue 25/04/23 15:30	Tue 25/04/23 17:30	6519	RSC
6521			Remove decontamination controls	6 hrs	Tue 25/04/23 17:30	Wed 26/04/23 13:00	6520	M Ramosomana,M Kene
6522			Housekeeping	4 hrs	Wed 26/04/23 13:00	Wed 26/04/23 17:00	6521	M Ramosomana,M Kene,Corrocoat,Operations,M Rar
6523			Close Manhole Covers	4 hrs	Wed 26/04/23 17:00	Thu 27/04/23 10:00	6522	Rig (Ash) 5,Scal Ft7,M Ramosomana,M Kene
6524			Clear permit	0.25 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:15	6523	M Ramosomana,Operations,M Ramatlhakeng
6525		**29B2GA04**	**# B SCRUBBER CIRCULATION PUMP A1 - Relocate pumps to new base**	**39.25 hrs**	**Thu 27/04/23 12:45**	**Mon 01/05/23 09:30**	**6369**	
6526			Fabricate and install new bases prior	0 hrs	Thu 27/04/23 12:45	Thu 27/04/23 12:45		
6527			Clean The Area (Prior)	0 hrs	Thu 27/04/23 12:45	Thu 27/04/23 12:45	6526	Operations
6528			Make Out Permits	0.25 hrs	Thu 27/04/23 12:45	Thu 27/04/23 13:00	6527	M Ramosomana,M Kene
6529			Accept Permit To Work	0.25 hrs	Thu 27/04/23 13:00	Thu 27/04/23 13:15	6528	M Ramosomana,M Kene
6530			Carry Out Risk Assesment	0.25 hrs	Thu 27/04/23 13:15	Thu 27/04/23 13:30	6529	M Ramosomana,M Kene
6531			Disconnect pump motor	1.5 hrs	Thu 27/04/23 13:30	Thu 27/04/23 15:00	6530	M Ramatlhakeng,S Monna
6532			Remove coupling guard	0.5 hrs	Thu 27/04/23 15:00	Thu 27/04/23 15:30	6531	M Ramosomana,M Kene,G Moeseraela,T Moloi
6533			Uncouple pump and motor	1 hr	Thu 27/04/23 15:30	Thu 27/04/23 16:30	6532	M Ramosomana,M Kene

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6534			Loosen motor mounting bolts	0.5 hrs	Thu 27/04/23 16:30	Thu 27/04/23 17:00	6533	M Ramosomana,M Kene
6535			Rig out motor	1 hr	Thu 27/04/23 17:00	Thu 27/04/23 18:00	6534	Crane,G Moeseraela,T Moloi
6536			Loosen all pump mounting bolts including suction and discharge ports	2.5 hrs	Fri 28/04/23 07:00	Fri 28/04/23 09:30	6535	M Ramosomana,M Kene
6537			Rig out pump	1 hr	Fri 28/04/23 09:30	Fri 28/04/23 10:30	6536	Crane,G Moeseraela,T Moloi
6538			Remove old suction and discharge pipes and bellows	6 hrs	Fri 28/04/23 10:30	Fri 28/04/23 17:00	6537	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6539			Install new modified pipes and bellows	12 hrs	Fri 28/04/23 17:00	Sun 30/04/23 07:30	6538	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6540			Rig pump onto new base and mount	1 hr	Sun 30/04/23 07:30	Sun 30/04/23 08:30	6539	Crane,G Moeseraela,T Moloi
6541			Align new suction and discharge pipes to pump	1 hr	Sun 30/04/23 08:30	Sun 30/04/23 09:30	6540	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6542			Tighten flange and mounting bolts	2 hrs	Sun 30/04/23 09:30	Sun 30/04/23 11:30	6541	M Ramosomana,M Kene
6543			Rig in motor and mount	1 hr	Sun 30/04/23 11:30	Sun 30/04/23 13:00	6542	Crane,G Moeseraela,T Moloi
6544			Carry out rough alignment between motor and pump	1.5 hrs	Sun 30/04/23 13:00	Sun 30/04/23 14:30	6543	M Ramosomana,M Kene
6545			Couple motor to pump	0.5 hrs	Sun 30/04/23 14:30	Sun 30/04/23 15:00	6544	M Ramosomana,M Kene
6546			Carry out laser alignment	3 hrs	Sun 30/04/23 15:00	Sun 30/04/23 18:00	6545	Reliability
6547			Tighten mounting bolts	1.5 hrs	Mon 01/05/23 07:00	Mon 01/05/23 08:30	6546	M Ramosomana,M Kene
6548			Install coupling guard	0.5 hrs	Mon 01/05/23 08:30	Mon 01/05/23 09:00	6547	M Ramosomana,M Kene
6549			Carry Out Housekeeping	0.25 hrs	Mon 01/05/23 09:00	Mon 01/05/23 09:15	6548	M Ramosomana,M Kene
6550			Clear Permit	0.25 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:30	6549	M Ramosomana,M Kene
6551		**29B2GA04**	**# B SCRUBBER CIRCULATION PUMP A1 - Carry out inspection**	**10.75 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 07:30**		
6552			Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
6553			Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6552	M Ramosomana,M Kene
6554			Remove Guard	0.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:15	6553	M Ramosomana,M Kene
6555			Inspect Coupling	1 hr	Wed 19/04/23 08:15	Wed 19/04/23 09:15	6554	M Ramosomana,M Kene
6556			Check all mounting bolts	0.5 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:45	6555	M Ramosomana,M Kene
6557			Check condition of the base	1 hr	Wed 19/04/23 09:45	Wed 19/04/23 10:45	6556	M Ramosomana,M Kene
6558			Check all flanges both discharge& suction	0.5 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:15	6557	M Ramosomana,M Kene
6559			Inspect all belows	1 hr	Wed 19/04/23 11:15	Wed 19/04/23 12:45	6558	M Ramosomana,M Kene
6560			Drain& Refill Oil	1.5 hrs	Wed 19/04/23 12:45	Wed 19/04/23 14:15	6559	M Ramosomana,M Kene
6561			Repack glands	1 hr	Wed 19/04/23 14:15	Wed 19/04/23 15:15	6560	M Ramosomana,M Kene
6562			Carry Out or cross check Laser Alignment	3 hrs	Wed 19/04/23 15:15	Thu 20/04/23 07:15	6561	Reliability
6563			Clear Permit	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	6562	M Ramosomana,M Kene
6564		**29B2GA04**	**# B SCRUBBER CIRCULATION PUMP A2 - Relocate pumps to new base**	**39.25 hrs**	**Mon 01/05/23 09:30**	**Thu 04/05/23 17:45**	**6525**	
6565			Fabricate and install new bases prior	0 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:30		
6566			Clean The Area (Prior)	0 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:30	6565	Operations
6567			Make Out Permits	0.25 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:45	6566	M Ramosomana,M Kene
6568			Accept Permit To Work	0.25 hrs	Mon 01/05/23 09:45	Mon 01/05/23 10:00	6567	M Ramosomana,M Kene
6569			Carry Out Risk Assesment	0.25 hrs	Mon 01/05/23 10:00	Mon 01/05/23 10:15	6568	M Ramosomana,M Kene
6570			Disconnect pump motor	1.5 hrs	Mon 01/05/23 10:15	Mon 01/05/23 11:45	6569	M Ramatlhakeng,S Monna
6571			Remove coupling guard	0.5 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:45	6570	M Ramosomana,M Kene,G Moeseraela,T Moloi
6572			Uncouple pump and motor	1 hr	Mon 01/05/23 12:45	Mon 01/05/23 13:45	6571	M Ramosomana,M Kene
6573			Loosen motor mounting bolts	0.5 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:15	6572	M Ramosomana,M Kene
6574			Rig out motor	1 hr	Mon 01/05/23 14:15	Mon 01/05/23 15:15	6573	Crane,G Moeseraela,T Moloi
6575			Loosen all pump mounting bolts including suction and discharge ports	2.5 hrs	Mon 01/05/23 15:15	Mon 01/05/23 17:45	6574	M Ramosomana,M Kene
6576			Rig out pump	1 hr	Mon 01/05/23 17:45	Tue 02/05/23 07:45	6575	Crane,G Moeseraela,T Moloi
6577			Remove old suction and discharge pipes and bellows	6 hrs	Tue 02/05/23 07:45	Tue 02/05/23 14:15	6576	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6578			Install new modified pipes and bellows	12 hrs	Tue 02/05/23 14:15	Wed 03/05/23 15:45	6577	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6579			Rig pump onto new base and mount	1 hr	Wed 03/05/23 15:45	Wed 03/05/23 16:45	6578	Crane,G Moeseraela,T Moloi
6580			Align new suction and discharge pipes to pump	1 hr	Wed 03/05/23 16:45	Wed 03/05/23 17:45	6579	Crane,M Ramosomana,M Kene,G Moeseraela,T Moloi
6581			Tighten flange and mounting bolts	2 hrs	Wed 03/05/23 17:45	Thu 04/05/23 08:45	6580	M Ramosomana,M Kene
6582			Rig in motor and mount	1 hr	Thu 04/05/23 08:45	Thu 04/05/23 09:45	6581	Crane,G Moeseraela,T Moloi
6583			Carry out rough alignment between motor and pump	1.5 hrs	Thu 04/05/23 09:45	Thu 04/05/23 11:15	6582	M Ramosomana,M Kene
6584			Couple motor to pump	0.5 hrs	Thu 04/05/23 11:15	Thu 04/05/23 11:45	6583	M Ramosomana,M Kene
6585			Carry out laser alignment	3 hrs	Thu 04/05/23 11:45	Thu 04/05/23 15:15	6584	Reliability
6586			Tighten mounting bolts	1.5 hrs	Thu 04/05/23 15:15	Thu 04/05/23 16:45	6585	M Ramosomana,M Kene
6587			Install coupling guard	0.5 hrs	Thu 04/05/23 16:45	Thu 04/05/23 17:15	6586	M Ramosomana,M Kene
6588			Carry Out Housekeeping	0.25 hrs	Thu 04/05/23 17:15	Thu 04/05/23 17:30	6587	M Ramosomana,M Kene
6589			Clear Permit	0.25 hrs	Thu 04/05/23 17:30	Thu 04/05/23 17:45	6588	M Ramosomana,M Kene
6590		**29B2GA04**	**# B SCRUBBER CIRCULATION PUMP A2 - Carry out inspection**	**10.75 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 07:30**		
6591			Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
6592			Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6591	M Ramosomana,M Kene
6593			Remove Guard	0.5 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:15	6592	M Ramosomana,M Kene
6594			Inspect Coupling	1 hr	Wed 19/04/23 08:15	Wed 19/04/23 09:15	6593	M Ramosomana,M Kene
6595			Check all mounting bolts	0.5 hrs	Wed 19/04/23 09:15	Wed 19/04/23 09:45	6594	M Ramosomana,M Kene
6596			Check condition of the base	1 hr	Wed 19/04/23 09:45	Wed 19/04/23 10:45	6595	M Ramosomana,M Kene
6597			Check all flanges both discharge& suction	0.5 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:15	6596	M Ramosomana,M Kene
6598			Inspect all belows	1 hr	Wed 19/04/23 11:15	Wed 19/04/23 12:45	6597	M Ramosomana,M Kene
6599			Drain& Refill Oil	1.5 hrs	Wed 19/04/23 12:45	Wed 19/04/23 14:15	6598	M Ramosomana,M Kene
6600			Repack glands	1 hr	Wed 19/04/23 14:15	Wed 19/04/23 15:15	6599	M Ramosomana,M Kene
6601			Carry Out or cross check Laser Alignment	3 hrs	Wed 19/04/23 15:15	Thu 20/04/23 07:15	6600	Reliability
6602			Clear Permit	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	6601	M Ramosomana,M Kene
6603		**29B2EA04**	**# B SCRUBBER CONDENSATE COOLER - Clean Cooler & inspect**	**19 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 16:15**		
6604			Clean the area (prior)	0 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:15		Operations
6605			Make out permits	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30	6604	Operations
6606			Accept permit to work	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6605	M Ramosomana,M Kene
6607			Carry out risk assesment	0.25 hrs	Wed 19/04/23 07:45	Wed 19/04/23 08:00	6606	All Trades
6608			Remove the Denso tape	0.25 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:15	6607	M Ramosomana,M Kene
6609			Loosen and remove tie rods following the correct sequence to avoid twisting and bending of the plates	2 hrs	Wed 19/04/23 08:15	Wed 19/04/23 10:15	6608	M Ramosomana,M Kene
6610			Pull back the plate follower using a using a lever hoist to allow easy removal of the plates	0.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:45	6609	M Ramosomana,M Kene
6611			Spread the plates along the cross beam to for easy washing	0.5 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:15	6610	M Ramosomana,M Kene
6612			Wash all the plates while hanging on the cross beam	0.5 hrs	Wed 19/04/23 11:15	Wed 19/04/23 11:45	6611	M Ramosomana,M Kene
6613			Remove the plates and stack them on the pallets according to their pattern	2 hrs	Wed 19/04/23 11:45	Wed 19/04/23 14:15	6612	M Ramosomana,M Kene
6614			Wash and inspect thoroughly each plate and gasket for cracks,wear,holes and deformation,then repack the plates back on the cross beam according to the correct pattern replacing the damaged	8 hrs	Wed 19/04/23 14:15	Thu 20/04/23 11:15	6613	M Ramosomana,M Kene
6615			Reposition the follower and tie rods	0.25 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:30	6614	M Ramosomana,M Kene
6616			Tighten the tie rods following a correct sequence so that the back plate moves and compresses the plates squarely	0.5 hrs	Thu 20/04/23 11:30	Thu 20/04/23 12:00	6615	M Ramosomana,M Kene
6617			Pressure test	2 hrs	Thu 20/04/23 12:30	Thu 20/04/23 14:30	6616	M Ramosomana,M Kene

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6618		Apply anti seize to the tie rods and wrap with denso after completion	1 hr	Thu 20/04/23 14:30	Thu 20/04/23 15:30	6617	M Ramosomana,M Kene
6619		Carry out housekeeping	0.5 hrs	Thu 20/04/23 15:30	Thu 20/04/23 16:00	6618	M Ramosomana,M Kene
6620		Clear permit	0.25 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:15	6619	Operations
6621	**29B2GB02**	**# B CALCINER CO2 COMPRESSOR - Clean Air Vents**	**10.75 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 07:30**		
6622		Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
6623		Accept Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	6622	Elec (Ash)
6624		Loosen & Remove End Covers	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	6623	Rig (Ash) 6,Scal Ft1,M-Crane 7Ton,M Ramosomana,M
6625		Clean Air Vents	6 hrs	Wed 19/04/23 08:45	Wed 19/04/23 15:15	6624	Elec (Ash)
6626		Open & Inspect Bearing	2 hrs	Wed 19/04/23 15:15	Wed 19/04/23 17:15	6625	M Ramosomana,M Kene
6627		Replace & Box Up End Cover	1 hr	Wed 19/04/23 17:15	Thu 20/04/23 07:15	6626	Rig (Ash) 6,Scal Ft1,M-Crane 7Ton,M Ramosomana,M
6628		Clear Permit	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	6627	Elec (Ash)
6629		**INSTRUMENTATION**	**16.25 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 13:30**	**6498**	
6630	**29FI201**	**# B CALCINER STEAM FLOW - Inspect Annubar**	**12.38 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 09:08**	**6466**	
6631		Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
6632		Accept Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Ash-Inst3,SS-Ash-Ins3
6633		Disconnect Instruments	1 hr	Wed 19/04/23 07:30	Wed 19/04/23 08:30	6632	Ash-Inst3,SS-Ash-Ins3
6634		Remove Valve	3 hrs	Wed 19/04/23 08:30	Wed 19/04/23 11:30	6633	Ash-Inst3,SS-Ash-Ins3,M Ramosomana,M Kene
6635		Overhaul Valve	4 hrs	Wed 19/04/23 11:30	Wed 19/04/23 16:00	6634	Aveng,Ash-Inst3,SS-Ash-Ins3
6636		Install Valve	3.38 hrs	Wed 19/04/23 16:00	Thu 20/04/23 08:23	6635	Ash-Inst3,SS-Ash-Ins3,M Ramosomana,M Kene
6637		Stroke Check Valve	0.5 hrs	Thu 20/04/23 08:23	Thu 20/04/23 08:53	6636	Ash-Inst3,SS-Ash-Ins3
6638		Clear Permit	0.25 hrs	Thu 20/04/23 08:53	Thu 20/04/23 09:08	6637	Ash-Inst3,SS-Ash-Ins3
6639	**29B2GB02**	**# B CO2 COMPRESSOR DISCHARGE SHUT - Off Valve**	**10.5 hrs**	**Wed 19/04/23 07:15**	**Thu 20/04/23 07:15**		
6640		Make Out Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
6641		Accept Permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Ash-Inst3,SS-Ash-Ins3
6642		Remove Gauges	2 hrs	Wed 19/04/23 07:30	Wed 19/04/23 09:30	6641	Ash-Inst3,SS-Ash-Ins3
6643		Calibrate & Mark Gauges	5 hrs	Wed 19/04/23 09:30	Wed 19/04/23 15:00	6642	Ash-Inst3,SS-Ash-Ins3
6644		Replace Gauges	3 hrs	Wed 19/04/23 15:00	Wed 19/04/23 18:00	6643	Ash-Inst3,SS-Ash-Ins3
6645		Clear Permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	6644	Ash-Inst3,SS-Ash-Ins3
6646	**29B66J01-I**	**# B CO2 COMPRESSOR PRESSURE GAUGES - Calibrate & Mark**	**5.75 hrs**	**Thu 20/04/23 07:15**	**Thu 20/04/23 13:30**	**6639**	
6647		Make out permit	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30		Operations
6648		Accept permit	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30		Ash-Inst3,SS-Ash-Ins3
6649		Mark instrument signal cables	1 hr	Thu 20/04/23 07:30	Thu 20/04/23 08:30	6648	Ash-Inst3,SS-Ash-Ins3
6650		Remove old junction box	0.5 hrs	Thu 20/04/23 08:30	Thu 20/04/23 09:00	6649	Ash-Inst3,SS-Ash-Ins3
6651		Repair Junction box stand and bracket	2 hrs	Thu 20/04/23 07:15	Thu 20/04/23 09:15		M Ramatlhakeng,S Monna
6652		Install Cable glands,DIN rail,connector blocks for new enclosure	2 hrs	Thu 20/04/23 09:00	Thu 20/04/23 11:00	6650	Ash-Inst3,SS-Ash-Ins3
6653		Mount new enclosure	0.5 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:30	6652	Ash-Inst3,SS-Ash-Ins3
6654		Reterminate Signal Cables	1 hr	Thu 20/04/23 11:30	Thu 20/04/23 13:00	6653	Ash-Inst3,SS-Ash-Ins3
6655		Check all connections	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	6654	Ash-Inst3,SS-Ash-Ins3
6656		Clear permit	0.25 hrs	Thu 20/04/23 13:15	Thu 20/04/23 13:30	6655	Ash-Inst3,SS-Ash-Ins3
6657		Calcining Maintenance Complete	0 hrs	Wed 10/05/23 14:00	Wed 10/05/23 14:00	4414,5385,	
6658	**Area 29C**	**COMPACTION - A LINE**	**271.71 hrs**	**Mon 17/04/23 06:30**	**Fri 12/05/23 16:43**		
6659		**OPERATIONS**	**121.75 hrs**	**Mon 17/04/23 06:30**	**Fri 28/04/23 13:45**		
6660		**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**		
6661		Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
6662		**# A COMPACTOR - Cleaning**	**28.5 hrs**	**Mon 17/04/23 08:30**	**Wed 19/04/23 16:30**	**6660**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6663			Organize hoses prior	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		Operations
6664			Run System Empty(Hoppers & Bag House)	1.5 hrs	Mon 17/04/23 08:30	Mon 17/04/23 10:00	6663	Operations
6665			Issue Permit (Electrician To Remove Drive Units Under Speed Sensors And Cover Motors,Instruments To Isolate And Protect Nuclear Sources	1.5 hrs	Mon 17/04/23 10:00	Mon 17/04/23 11:30	6664	Ash-INS,B Thuso,L Nakedi,S Tlou,L Majoo
6666			Remove all screen meshes	6 hrs	Mon 17/04/23 11:30	Mon 17/04/23 17:30	6665	Operations
6667			Isolate and protect nuclear sources	1 hr	Mon 17/04/23 17:30	Tue 18/04/23 07:30	6666	Ash-INS,L Majoo
6668			Cover All Electrical Motors With Plastic& remove under speed sensors	2 hrs	Tue 18/04/23 07:30	Tue 18/04/23 09:30	6667	Operations
6669			Clean Compaction Plant	10 hrs	Tue 18/04/23 09:30	Tue 18/04/23 19:30	6668	Operations
6670			Allow Natural Drying	5 hrs	Tue 18/04/23 19:30	Wed 19/04/23 00:30	6669	Operations
6671			Put Back Under Speed Sensors	1 hr	Wed 19/04/23 07:00	Wed 19/04/23 08:00	6670	Ash-INS,L Majoo
6672			Put back screen meshes	8 hrs	Wed 19/04/23 08:00	Wed 19/04/23 16:00	6671	Operations
6673			Clear permit	0.5 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:30	6672	Operations,Ash-INS,L Majoo
6674			**# A COMPACTOR DUST EXTRACTION SYSTEM - Clear dust extraction system**	**74.75 hrs**	**Wed 19/04/23 16:30**	**Wed 26/04/23 17:45**	**6662**	
6675			Erect scaffodling prior	0 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:30		G Moeseraela,T Moloi
6676			Make Out Permit	0.25 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:45	6675	Operations
6677			Accept Permit	0.25 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:00	6676	S Tlou,L Nakedi,B Thuso
6678			Break pipes	24 hrs	Wed 19/04/23 17:00	Sat 22/04/23 09:00	6677	S Tlou,L Nakedi,B Thuso
6679			Clear build up in pipes	30 hrs	Sat 22/04/23 09:00	Sun 23/04/23 15:00	6678	Operations
6680			Identify leaks and seal them	2 hrs	Sun 23/04/23 15:00	Sun 23/04/23 17:00	6679	Operations,B Thuso,L Nakedi,S Tlou
6681			Re install pipes	30 hrs	Sun 23/04/23 17:00	Wed 26/04/23 15:30	6680	S Tlou,L Nakedi,B Thuso
6682			House keeping	2 hrs	Wed 26/04/23 15:30	Wed 26/04/23 17:30	6681	Operations
6683			Clear permit	0.25 hrs	Wed 26/04/23 17:30	Wed 26/04/23 17:45	6682	Operations,B Thuso,L Nakedi,S Tlou
6684		**29C2FS01**	**# A LINE ASH SILO - Inspect & Clean Silo**	**16.5 hrs**	**Thu 27/04/23 07:15**	**Fri 28/04/23 13:45**	**8519**	
6685			Organize Hoses,	0 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:15		Operations
6686			Erect scaffolding prior	0 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:15	6685	G Moeseraela,T Moloi
6687			Empty silo	0 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:15	6686	Operations
6688			Issue Permit (To Remove Bottom & Side Covers)	0.25 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:30	6687	Operations
6689			Remove Bottom & Side Covers	6 hrs	Thu 27/04/23 07:30	Thu 27/04/23 14:00	6688	B Thuso,L Nakedi,S Tlou
6690			Clean Silo Internally	8 hrs	Thu 27/04/23 14:00	Thu 27/04/23 22:00	6689	Operations
6691			Allow Silo To Dry Up(Naturally)	8 hrs	Thu 27/04/23 22:00	Fri 28/04/23 06:00	6690	Operations
6692			Box up silo	6 hrs	Fri 28/04/23 07:00	Fri 28/04/23 13:30	6691	B Thuso,L Nakedi,S Tlou
6693			Clear permit	0.25 hrs	Fri 28/04/23 13:30	Fri 28/04/23 13:45	6692	B Thuso,L Nakedi,S Tlou
6694			Dismantle scaffolding	0 hrs	Fri 28/04/23 13:45	Fri 28/04/23 13:45	6693	G Moeseraela,T Moloi
6695		**29C2FK01**	**# A DUST FILTER (COMPACTOR BAGHOUSE) - Rebagging baghouse**	**48.5 hrs**	**Mon 17/04/23 06:30**	**Fri 21/04/23 14:00**		
6696			Erect scaffolding prior for lagging	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		G Moeseraela,T Moloi
6697			Make out permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45	6696	Operations
6698			Accept permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	6697	SComp Ft4,B Thuso,L Nakedi,S Tlou
6699			Baghouse rebagging	48 hrs	Mon 17/04/23 06:30	Wed 19/04/23 06:30		Operations
6700			Replace lagging	27 hrs	Wed 19/04/23 07:00	Fri 21/04/23 13:30	6699	RSC lagging
6701			House keeping	0.25 hrs	Fri 21/04/23 13:30	Fri 21/04/23 13:45	6700	RSC lagging
6702			Clear permit	0.25 hrs	Fri 21/04/23 13:45	Fri 21/04/23 14:00	6701	RSC lagging
6703			**MAINTENANCE STARTS**	**0 hrs**	**Mon 17/04/23 10:30**	**Mon 17/04/23 10:30**	**6662SS+2 h**	
6704			Maintenance jobs commence	0 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:30		
6705			**MECHANICAL**	**268.21 hrs**	**Mon 17/04/23 10:30**	**Fri 12/05/23 16:43**	**6703**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6706		**29C2GN05**	**# A1 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**44.5 hrs**	**Wed 19/04/23 16:30**	**Mon 24/04/23 08:00**	**6662**	
6707			Make Out Permit	0.25 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:45		Operations
6708			Accept Permit	0.25 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:00	6707	B Thuso,L Nakedi,S Tlou
6709			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	6708	B Thuso,L Nakedi,S Tlou
6710			Disconnect All Coils(0.25/Headx14 Off)	3.5 hrs	Wed 19/04/23 17:15	Thu 20/04/23 09:45	6709	L Majoo
6711			Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	3.5 hrs	Thu 20/04/23 09:45	Thu 20/04/23 13:45	6710	B Thuso,L Nakedi,S Tlou
6712			Loosen And Remove The Square Bush (0.25/Head X 14)	3.5 hrs	Thu 20/04/23 13:45	Thu 20/04/23 17:15	6711	B Thuso,L Nakedi,S Tlou
6713			Remove The Coil And Put It Aside(0.25/Head X 14)	3.5 hrs	Thu 20/04/23 17:15	Fri 21/04/23 09:45	6712	B Thuso,L Nakedi,S Tlou
6714			Remove The Vibrating Heads(0.25/Head X 14)	3.5 hrs	Fri 21/04/23 09:45	Fri 21/04/23 13:45	6713	B Thuso,L Nakedi,S Tlou
6715			Clean The Vibrating Heads And Transport To Workshop	0.25 hrs	Fri 21/04/23 13:45	Fri 21/04/23 14:00	6714	B Thuso,L Nakedi,S Tlou
6716			Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	3.5 hrs	Fri 21/04/23 14:00	Fri 21/04/23 17:30	6715	B Thuso,L Nakedi,S Tlou
6717			Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Fri 21/04/23 17:30	Fri 21/04/23 18:00	6716	B Thuso,L Nakedi,S Tlou
6718			Place The Housing On A Flat Surface	0 hrs	Fri 21/04/23 18:00	Fri 21/04/23 18:00	6717	B Thuso,L Nakedi,S Tlou
6719			Install The Hammer Assembly On The Housing	3.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 10:30	6718	B Thuso,L Nakedi,S Tlou
6720			Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	3.5 hrs	Sat 22/04/23 10:30	Sat 22/04/23 14:30	6719	B Thuso,L Nakedi,S Tlou
6721			Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 1	3.5 hrs	Sat 22/04/23 14:30	Sat 22/04/23 18:00	6720	B Thuso,L Nakedi,S Tlou
6722			Transport To The Plant And Install Back In Position And Secure	3.5 hrs	Sun 23/04/23 07:00	Sun 23/04/23 10:30	6721	B Thuso,L Nakedi,S Tlou
6723			Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	3.5 hrs	Sun 23/04/23 10:30	Sun 23/04/23 14:30	6722	B Thuso,L Nakedi,S Tlou
6724			Reconnect The Coils	3.5 hrs	Sun 23/04/23 14:30	Sun 23/04/23 18:00	6723	L Majoo
6725			Sign Off The Permit	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	6724	B Thuso,L Nakedi,S Tlou
6726			Obtain Test Run Permi And Test The Screen	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	6725	B Thuso,L Nakedi,S Tlou
6727			Sign Off The Permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45	6726	B Thuso,L Nakedi,S Tlou
6728			Clear Permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	6727	Operations
6729		**29C2GN06**	**# A2 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**44.25 hrs**	**Mon 24/04/23 08:00**	**Fri 28/04/23 10:15**	**6706**	
6730			Make Out Permit	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15		Operations
6731			Accept Permit	0.25 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:30	6730	B Thuso,L Nakedi,S Tlou
6732			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	6731	B Thuso,L Nakedi,S Tlou
6733			Disconnect All Coils(0.25/Headx14 Off)	3.5 hrs	Mon 24/04/23 08:45	Mon 24/04/23 12:45	6732	L Majoo
6734			Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	3.5 hrs	Mon 24/04/23 12:45	Mon 24/04/23 16:15	6733	B Thuso,L Nakedi,S Tlou
6735			Loosen And Remove The Square Bush (0.25/Head X 14)	3.5 hrs	Mon 24/04/23 16:15	Tue 25/04/23 08:45	6734	B Thuso,L Nakedi,S Tlou
6736			Remove The Coil And Put It Aside(0.25/Head X 14)	3.5 hrs	Tue 25/04/23 08:45	Tue 25/04/23 12:45	6735	B Thuso,L Nakedi,S Tlou
6737			Remove The Vibrating Heads(0.25/Head X 14)	3.5 hrs	Tue 25/04/23 12:45	Tue 25/04/23 16:15	6736	B Thuso,L Nakedi,S Tlou
6738			Clean The Vibrating Heads And Transport To Workshop	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	6737	B Thuso,L Nakedi,S Tlou
6739			Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	3.5 hrs	Tue 25/04/23 16:30	Wed 26/04/23 09:00	6738	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6740			Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Wed 26/04/23 09:00	Wed 26/04/23 09:30	6739	B Thuso,L Nakedi,S Tlou
6741			Place The Housing On A Flat Surface	0 hrs	Wed 26/04/23 09:30	Wed 26/04/23 09:30	6740	B Thuso,L Nakedi,S Tlou
6742			Install The Hammer Assembly On The Housing	3.5 hrs	Wed 26/04/23 09:30	Wed 26/04/23 13:30	6741	B Thuso,L Nakedi,S Tlou
6743			Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	3.5 hrs	Wed 26/04/23 13:30	Wed 26/04/23 17:00	6742	B Thuso,L Nakedi,S Tlou
6744			Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 1	3.5 hrs	Wed 26/04/23 17:00	Thu 27/04/23 09:30	6743	B Thuso,L Nakedi,S Tlou
6745			Transport To The Plant And Install Back In Position And Secure	3.5 hrs	Thu 27/04/23 09:30	Thu 27/04/23 13:30	6744	B Thuso,L Nakedi,S Tlou
6746			Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	3.5 hrs	Thu 27/04/23 13:30	Thu 27/04/23 17:00	6745	B Thuso,L Nakedi,S Tlou
6747			Reconnect The Coils	3.5 hrs	Thu 27/04/23 17:00	Fri 28/04/23 09:30	6746	L Majoo
6748			Sign Off The Permit	0.25 hrs	Fri 28/04/23 09:30	Fri 28/04/23 09:45	6747	B Thuso,L Nakedi,S Tlou
6749			Obtain Test Run Permi And Test The Screen	0.25 hrs	Fri 28/04/23 09:45	Fri 28/04/23 10:00	6748	B Thuso,L Nakedi,S Tlou
6750			Clear Permit	0.25 hrs	Fri 28/04/23 10:00	Fri 28/04/23 10:15	6749	Operations
6751		**29C2GN01**	**COMPACTION SCREENS - Remove mesh for cleaning in all screens**	**13 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 13:30**		
6752			Make out permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
6753			Accept permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	6752	B Thuso,L Nakedi,S Tlou
6754			Remove all mashes for cleaning on all Compaction screens	12 hrs	Mon 17/04/23 11:00	Tue 18/04/23 13:00	6753	B Thuso,L Nakedi,S Tlou
6755			Clear permit	0.5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:30	6754	B Thuso,L Nakedi,S Tlou
6756		**29C2GB01**	**# A EXHAUST FAN - Carry Out Inspection, Replace V Belts and motor**	**21.75 hrs**	**Tue 02/05/23 10:13**	**Thu 04/05/23 10:58**	**6796**	
6757			Make Out Permit	0.25 hrs	Tue 02/05/23 10:13	Tue 02/05/23 10:28		Operations
6758			Accept Permit	0.25 hrs	Tue 02/05/23 10:28	Tue 02/05/23 10:43	6757	B Thuso,L Nakedi,S Tlou
6759			Remove guards	0.5 hrs	Tue 02/05/23 10:43	Tue 02/05/23 11:13	6758	B Thuso,L Nakedi,S Tlou
6760			Clean The Impeller	0.5 hrs	Tue 02/05/23 11:13	Tue 02/05/23 11:43	6759	Operations
6761			Replace bearings	6 hrs	Tue 02/05/23 11:43	Wed 03/05/23 07:13	6760	B Thuso,L Nakedi,S Tlou
6762			Slacken and remove vee belts and pulleys	1 hr	Wed 03/05/23 07:13	Wed 03/05/23 08:13	6761	B Thuso,L Nakedi,S Tlou
6763			Loosen motor monting bolts	2 hrs	Wed 03/05/23 08:13	Wed 03/05/23 10:13	6762	B Thuso,L Nakedi,S Tlou
6764			Rig out the motor	2 hrs	Wed 03/05/23 10:13	Wed 03/05/23 12:43	6763	O/H crane,G Moeseraela,K Gabantogele,T Moloi
6765			Clean base and rig in new motor	1 hr	Wed 03/05/23 12:43	Wed 03/05/23 13:43	6764	O/H crane,B Thuso,L Nakedi,S Tlou,G Moeseraela,K Ga
6766			Install pulleys, vee belts and align	2 hrs	Wed 03/05/23 13:43	Wed 03/05/23 15:43	6765	B Thuso,L Nakedi,S Tlou
6767			Carry Out Laser Alignment	1 hr	Wed 03/05/23 15:43	Wed 03/05/23 16:43	6766	B Thuso,L Nakedi,S Tlou
6768			Tighten motor mounting bolts	2 hrs	Wed 03/05/23 16:43	Thu 04/05/23 07:43	6767	B Thuso,L Nakedi,S Tlou
6769			Install guards	1 hr	Thu 04/05/23 07:43	Thu 04/05/23 08:43	6768	B Thuso,L Nakedi,S Tlou
6770			Box Up	2 hrs	Thu 04/05/23 08:43	Thu 04/05/23 10:43	6769	B Thuso,L Nakedi,S Tlou
6771			Clear Permit	0.25 hrs	Thu 04/05/23 10:43	Thu 04/05/23 10:58	6770	B Thuso,L Nakedi,S Tlou
6772		**29C2RF06**	**# A6 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Fri 28/04/23 10:15**	**Sat 29/04/23 14:45**	**6729**	
6773			Make Out Permit	0.25 hrs	Fri 28/04/23 10:15	Fri 28/04/23 10:30		Operations
6774			Accept Permit	0.25 hrs	Fri 28/04/23 10:30	Fri 28/04/23 10:45	6773	B Thuso,L Nakedi,S Tlou
6775			Carry Out Risk Assesment	0.25 hrs	Fri 28/04/23 10:45	Fri 28/04/23 11:00	6774	B Thuso,L Nakedi,S Tlou
6776			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Fri 28/04/23 11:00	Fri 28/04/23 11:30	6775	B Thuso,L Nakedi,S Tlou
6777			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Fri 28/04/23 11:30	Fri 28/04/23 12:00	6776	B Thuso,L Nakedi,S Tlou
6778			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 28/04/23 12:30	Fri 28/04/23 13:00	6777	B Thuso,L Nakedi,S Tlou
6779			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 28/04/23 13:00	Fri 28/04/23 13:15	6778	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6780			Slack The Chain	0.5 hrs	Fri 28/04/23 13:15	Fri 28/04/23 13:45	6779	B Thuso,L Nakedi,S Tlou
6781			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 28/04/23 13:45	Fri 28/04/23 14:15	6780	B Thuso,L Nakedi,S Tlou
6782			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 28/04/23 14:15	Fri 28/04/23 14:45	6781	B Thuso,L Nakedi,S Tlou
6783			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 28/04/23 14:45	Fri 28/04/23 15:15	6782	B Thuso,L Nakedi,S Tlou
6784			Tension The Drag Chain	0.5 hrs	Fri 28/04/23 15:15	Fri 28/04/23 15:45	6783	B Thuso,L Nakedi,S Tlou
6785			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Fri 28/04/23 15:45	Sat 29/04/23 08:00	6784	B Thuso,L Nakedi,S Tlou
6786			Apply Sealant And Close The Top Covers	1 hr	Sat 29/04/23 08:00	Sat 29/04/23 09:00	6785	B Thuso,L Nakedi,S Tlou
6787			Open Plummer Blocks And Clean Old Grease	1 hr	Sat 29/04/23 09:00	Sat 29/04/23 10:00	6786	B Thuso,L Nakedi,S Tlou
6788			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 29/04/23 10:00	Sat 29/04/23 11:00	6787	B Thuso,L Nakedi,S Tlou
6789			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 29/04/23 11:00	Sat 29/04/23 11:30	6788	B Thuso,L Nakedi,S Tlou
6790			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sat 29/04/23 11:30	Sat 29/04/23 13:00	6789	B Thuso,L Nakedi,S Tlou
6791			Tension To The Correct Force And Deflection	0.5 hrs	Sat 29/04/23 13:00	Sat 29/04/23 13:30	6790	B Thuso,L Nakedi,S Tlou
6792			Replace Guard And Secure	0.5 hrs	Sat 29/04/23 13:30	Sat 29/04/23 14:00	6791	B Thuso,L Nakedi,S Tlou
6793			Carry Out Housekeeping	0.25 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:15	6792	B Thuso,L Nakedi,S Tlou
6794			Sign Off The Permit	0.25 hrs	Sat 29/04/23 14:15	Sat 29/04/23 14:30	6793	B Thuso,L Nakedi,S Tlou
6795			Clear Permit	0.25 hrs	Sat 29/04/23 14:30	Sat 29/04/23 14:45	6794	Operations
6796		**29C2RM01**	**# A1 STAR FEEDER - Carry Out Inspection And Service**	**44.75 hrs**	**Fri 28/04/23 07:28**	**Tue 02/05/23 10:13**	**6984**	
6797			Prepare star feeder blades prior	0 hrs	Fri 28/04/23 07:28	Fri 28/04/23 07:28		B Thuso,L Nakedi,S Tlou
6798			Make Out Permit	0.25 hrs	Fri 28/04/23 07:28	Fri 28/04/23 07:43	6797	Operations
6799			Accept Permit	0.25 hrs	Fri 28/04/23 07:43	Fri 28/04/23 07:58	6798	B Thuso,L Nakedi,S Tlou
6800			Carry Out Risk Assesment	0.25 hrs	Fri 28/04/23 07:58	Fri 28/04/23 08:13	6799	B Thuso,L Nakedi,S Tlou
6801			Loosen star feeder mounting bolts	1 hr	Fri 28/04/23 08:13	Fri 28/04/23 09:13	6800	B Thuso,L Nakedi,S Tlou
6802			Remove all bolts and swing star feeder	3 hrs	Fri 28/04/23 09:13	Fri 28/04/23 12:43	6801	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6803			Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Fri 28/04/23 12:43	Fri 28/04/23 13:13	6802	B Thuso,L Nakedi,S Tlou
6804			Stop And swing back star feeder	1 hr	Fri 28/04/23 13:13	Fri 28/04/23 14:13	6803	B Thuso,L Nakedi,S Tlou
6805			Install and tighten mounting bolts	2 hrs	Fri 28/04/23 14:13	Fri 28/04/23 16:13	6804	B Thuso,L Nakedi,S Tlou
6806			Sign Off Permit If Everything Is In Order.	0.25 hrs	Fri 28/04/23 16:13	Fri 28/04/23 16:28	6805	B Thuso,L Nakedi,S Tlou
6807			If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Fri 28/04/23 16:28	Fri 28/04/23 16:43	6806	B Thuso,L Nakedi,S Tlou
6808			Loosen And Remove Guards	0.5 hrs	Fri 28/04/23 16:43	Fri 28/04/23 17:13	6807	B Thuso,L Nakedi,S Tlou
6809			Disconnect geared unit	1 hr	Fri 28/04/23 17:13	Sat 29/04/23 07:13	6808	L Majoo
6810			Remove the drive chain	1 hr	Sat 29/04/23 07:13	Sat 29/04/23 08:13	6809	B Thuso,L Nakedi,S Tlou
6811			Support geared unit and remove mounting bolts	1.5 hrs	Sat 29/04/23 08:13	Sat 29/04/23 09:43	6810	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6812			Rig out geared unit	1.5 hrs	Sat 29/04/23 09:43	Sat 29/04/23 11:13	6811	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6813			Support star feeder	0.5 hrs	Sat 29/04/23 11:13	Sat 29/04/23 11:43	6812	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6814			Rig out start feeder completely	1 hr	Sat 29/04/23 11:43	Sat 29/04/23 13:13	6813	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6815			Clean star feeder and transport to workshop	0.5 hrs	Sat 29/04/23 13:13	Sat 29/04/23 13:43	6814	Crane lorry,G Moeseraela,T Moloi
6816			Mark all the mating components	0.5 hrs	Sat 29/04/23 13:43	Sat 29/04/23 14:13	6815	B Thuso,L Nakedi,S Tlou
6817			Strip star feeder	6 hrs	Sat 29/04/23 14:13	Sun 30/04/23 09:13	6816	B Thuso,L Nakedi,S Tlou
6818			Inspect and measure all the components	1.5 hrs	Sun 30/04/23 09:13	Sun 30/04/23 10:43	6817	B Thuso,L Nakedi,S Tlou
6819			Assemble star feeder	6 hrs	Sun 30/04/23 10:43	Sun 30/04/23 17:13	6818	B Thuso,L Nakedi,S Tlou
6820			Carry out quality checks	0.5 hrs	Sun 30/04/23 17:13	Sun 30/04/23 17:43	6819	B Thuso,L Nakedi,S Tlou
6821			Transport to plant	0.5 hrs	Mon 01/05/23 11:13	Mon 01/05/23 11:43	6820,6965	Crane lorry,B Thuso,L Nakedi,S Tlou,G Moeseraela,T M

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6822			Rig star feeder into place and mount	2.5 hrs	Mon 01/05/23 11:43	Mon 01/05/23 14:43	6821	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6823			Install geared unit	1 hr	Mon 01/05/23 14:43	Mon 01/05/23 15:43	6822	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6824			Install drive chain	1 hr	Mon 01/05/23 15:43	Mon 01/05/23 16:43	6823	B Thuso,L Nakedi,S Tlou
6825			Install guards	1 hr	Mon 01/05/23 16:43	Mon 01/05/23 17:43	6824	B Thuso,L Nakedi,S Tlou
6826			Connect geared unit and verify direction	0.5 hrs	Mon 01/05/23 17:43	Tue 02/05/23 07:13	6825	L Majoo
6827			Box up	2 hrs	Tue 02/05/23 07:13	Tue 02/05/23 09:13	6826	B Thuso,L Nakedi,S Tlou
6828			Lubricate drive chain	0.25 hrs	Tue 02/05/23 09:13	Tue 02/05/23 09:28	6827	B Thuso,L Nakedi,S Tlou
6829			Carry Out House Keeping	0.5 hrs	Tue 02/05/23 09:28	Tue 02/05/23 09:58	6828	B Thuso,L Nakedi,S Tlou
6830			Clear The Permit	0.25 hrs	Tue 02/05/23 09:58	Tue 02/05/23 10:13	6829	B Thuso,L Nakedi,S Tlou
6831		**29C2RF07**	**# A SHUTTLE CONVEYOR - Thorough Inspection And Repairs**	**81.25 hrs**	**Mon 17/04/23 10:30**	**Tue 25/04/23 07:45**	**6704**	
6832			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
6833			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	6832	B Thuso,L Nakedi,S Tlou
6834			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	6833	B Thuso,L Nakedi,S Tlou
6835			Loosen And Remove Top Covers To Access Chain Links	2 hrs	Mon 17/04/23 11:15	Mon 17/04/23 13:45	6834	B Thuso,L Nakedi,S Tlou
6836			Loosen tailed station mounting bolts	2.5 hrs	Mon 17/04/23 13:45	Mon 17/04/23 16:15	6835	B Thuso,L Nakedi,S Tlou
6837			Break the drag chain to access the tail sprocket	1 hr	Mon 17/04/23 16:15	Mon 17/04/23 17:15	6836	B Thuso,L Nakedi,S Tlou
6838			Rig out tail station	2 hrs	Mon 17/04/23 17:15	Tue 18/04/23 08:15	6837	O/H crane,G Moeseraela,T Moloi
6839			Inspect guide rail	2 hrs	Tue 18/04/23 08:15	Tue 18/04/23 10:15	6838	B Thuso,L Nakedi,S Tlou
6840			Possible rail and cover repairs	10 hrs	Tue 18/04/23 10:15	Wed 19/04/23 09:45	6839	B Thuso,L Nakedi,S Tlou
6841			Clean and transport station to the workshop	1 hr	Wed 19/04/23 09:45	Wed 19/04/23 10:45	6840	B Thuso,L Nakedi,S Tlou
6842			Mark all the mating components	0.25 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:00	6841	B Thuso,L Nakedi,S Tlou
6843			Strip the tail station	3 hrs	Wed 19/04/23 11:00	Wed 19/04/23 14:30	6842	B Thuso,L Nakedi,S Tlou
6844			Repair tail station covers	6 hrs	Wed 19/04/23 14:30	Thu 20/04/23 09:30	6843	B Thuso,L Nakedi,S Tlou
6845			Assemble tail station, replace all bearings and repack with fresh grease	6 hrs	Thu 20/04/23 09:30	Thu 20/04/23 16:00	6844	B Thuso,L Nakedi,S Tlou
6846			Carry out quality check and transport to plant	1 hr	Thu 20/04/23 16:00	Thu 20/04/23 17:00	6845	B Thuso,L Nakedi,S Tlou
6847			Rig tail station into place	2 hrs	Thu 20/04/23 17:00	Fri 21/04/23 08:00	6846	O/H crane,G Moeseraela,T Moloi
6848			Tighten mounting bolts	1.5 hrs	Fri 21/04/23 08:00	Fri 21/04/23 09:30	6847	B Thuso,L Nakedi,S Tlou
6849			Join the drag chain	0.5 hrs	Fri 21/04/23 09:30	Fri 21/04/23 10:00	6848	B Thuso,L Nakedi,S Tlou
6850			Run The Chain To Identify Damaged Links And Mark Them	1 hr	Fri 21/04/23 10:00	Fri 21/04/23 11:00	6849	B Thuso,L Nakedi,S Tlou
6851			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:30	6850	B Thuso,L Nakedi,S Tlou
6852			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 21/04/23 11:30	Fri 21/04/23 11:45	6851	B Thuso,L Nakedi,S Tlou
6853			Slack The Chain	0.5 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:45	6852	B Thuso,L Nakedi,S Tlou
6854			Check For Cracks Link By Lin Using Dye Penetrant Method	2 hrs	Fri 21/04/23 12:45	Fri 21/04/23 14:45	6853	B Thuso,L Nakedi,S Tlou
6855			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	4 hrs	Fri 21/04/23 14:45	Sat 22/04/23 07:45	6854	B Thuso,L Nakedi,S Tlou
6856			Position The New Link,Connect It With A Pin And Lock It With A Circlip	2 hrs	Sat 22/04/23 07:45	Sat 22/04/23 09:45	6855	B Thuso,L Nakedi,S Tlou
6857			Tension The Drag Chain	0.5 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:15	6856	B Thuso,L Nakedi,S Tlou
6858			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	10 hrs	Sat 22/04/23 10:15	Sun 23/04/23 09:45	6857	B Thuso,L Nakedi,S Tlou
6859			Apply Sealant And Close The Top Covers	8 hrs	Sun 23/04/23 09:45	Mon 24/04/23 07:15	6858	B Thuso,L Nakedi,S Tlou
6860			Open drive end station bearings plummer Blocks And Clean Old Grease	3 hrs	Mon 24/04/23 07:15	Mon 24/04/23 10:15	6859	B Thuso,L Nakedi,S Tlou
6861			Inspect The Bearings And Pack With New Grease Or Change If Necessary	3 hrs	Mon 24/04/23 10:15	Mon 24/04/23 13:45	6860	B Thuso,L Nakedi,S Tlou
6862			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:15	6861	B Thuso,L Nakedi,S Tlou
6863			Inspect the drive chain, sprockets and lubricate	1 hr	Mon 24/04/23 14:15	Mon 24/04/23 15:15	6862	B Thuso,L Nakedi,S Tlou
6864			Repack dust seals	1.5 hrs	Mon 24/04/23 15:15	Mon 24/04/23 16:45	6863	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6865			Adjust To The Correct force And slack	0.5 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:15	6864	B Thuso,L Nakedi,S Tlou
6866			Replace Guard And Secure	0.5 hrs	Mon 24/04/23 17:15	Mon 24/04/23 17:45	6865	B Thuso,L Nakedi,S Tlou
6867			Carry Out Housekeeping	0.5 hrs	Mon 24/04/23 17:45	Tue 25/04/23 07:15	6866	B Thuso,L Nakedi,S Tlou
6868			Sign Off The Permit	0.25 hrs	Tue 25/04/23 07:15	Tue 25/04/23 07:30	6867	B Thuso,L Nakedi,S Tlou
6869			Clear Permit	0.25 hrs	Tue 25/04/23 07:30	Tue 25/04/23 07:45	6868	Operations
6870		**29C2RF01**	**# A1 CHAIN CONVEYOR - Install Dust Seals**	**19.75 hrs**	**Sat 29/04/23 14:45**	**Mon 01/05/23 13:30**	**6772**	
6871			Make Out Permit	0.25 hrs	Sat 29/04/23 14:45	Sat 29/04/23 15:00		Operations
6872			Accept Permit	0.25 hrs	Sat 29/04/23 15:00	Sat 29/04/23 15:15	6871	B Thuso,L Nakedi,S Tlou
6873			Carry Out Risk Assesment	0.25 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:30	6872	B Thuso,L Nakedi,S Tlou
6874			Remove all covers	2 hrs	Sat 29/04/23 15:30	Sat 29/04/23 17:30	6873	B Thuso,L Nakedi,S Tlou
6875			Remove drive chain and sprocket	2 hrs	Sat 29/04/23 17:30	Sun 30/04/23 08:30	6874	B Thuso,L Nakedi,S Tlou
6876			Rig out casing with the shaft	1 hr	Sun 30/04/23 08:30	Sun 30/04/23 09:30	6875	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6877			Remove bearings	1.5 hrs	Sun 30/04/23 09:30	Sun 30/04/23 11:00	6876	B Thuso,L Nakedi,S Tlou
6878			Remove shaft from casing	1 hr	Sun 30/04/23 11:00	Sun 30/04/23 12:00	6877	B Thuso,L Nakedi,S Tlou
6879			Clean shaft	0.5 hrs	Sun 30/04/23 12:30	Sun 30/04/23 13:00	6878	B Thuso,L Nakedi,S Tlou
6880			Install dust seals	2 hrs	Sun 30/04/23 13:00	Sun 30/04/23 15:00	6879	B Thuso,L Nakedi,S Tlou
6881			Put back shaft into casing	2 hrs	Sun 30/04/23 15:00	Sun 30/04/23 17:00	6880	B Thuso,L Nakedi,S Tlou
6882			Install bearings	2 hrs	Sun 30/04/23 17:00	Mon 01/05/23 08:00	6881	B Thuso,L Nakedi,S Tlou
6883			Rig back casing and shaft into position	1.5 hrs	Mon 01/05/23 08:00	Mon 01/05/23 09:30	6882	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6884			Put back sprocket	1 hr	Mon 01/05/23 09:30	Mon 01/05/23 10:30	6883	B Thuso,L Nakedi,S Tlou
6885			Install drive chain	1.5 hrs	Mon 01/05/23 10:30	Mon 01/05/23 12:00	6884	B Thuso,L Nakedi,S Tlou
6886			Install guard	0.5 hrs	Mon 01/05/23 12:30	Mon 01/05/23 13:00	6885	B Thuso,L Nakedi,S Tlou
6887			House keeping	0.25 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:15	6886	B Thuso,L Nakedi,S Tlou
6888			Clear permit	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30	6887	B Thuso,L Nakedi,S Tlou
6889		**29C2RF01**	**# A1 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Mon 01/05/23 13:30**	**Tue 02/05/23 17:30**	**6870**	
6890			Make Out Permit	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45		Operations
6891			Accept Permit	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	6890	B Thuso,L Nakedi,S Tlou
6892			Carry Out Risk Assesment	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	6891	B Thuso,L Nakedi,S Tlou
6893			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:45	6892	B Thuso,L Nakedi,S Tlou
6894			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:15	6893	B Thuso,L Nakedi,S Tlou
6895			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:45	6894	B Thuso,L Nakedi,S Tlou
6896			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	6895	B Thuso,L Nakedi,S Tlou
6897			Slack The Chain	0.5 hrs	Mon 01/05/23 16:00	Mon 01/05/23 16:30	6896	B Thuso,L Nakedi,S Tlou
6898			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Mon 01/05/23 16:30	Mon 01/05/23 17:00	6897	B Thuso,L Nakedi,S Tlou
6899			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:30	6898	B Thuso,L Nakedi,S Tlou
6900			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Mon 01/05/23 17:30	Mon 01/05/23 18:00	6899	B Thuso,L Nakedi,S Tlou
6901			Tension The Drag Chain	0.5 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:30	6900	B Thuso,L Nakedi,S Tlou
6902			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Tue 02/05/23 07:30	Tue 02/05/23 10:45	6901	B Thuso,L Nakedi,S Tlou
6903			Apply Sealant And Close The Top Covers	1 hr	Tue 02/05/23 10:45	Tue 02/05/23 11:45	6902	B Thuso,L Nakedi,S Tlou
6904			Open Plummer Blocks And Clean Old Grease	1 hr	Tue 02/05/23 11:45	Tue 02/05/23 13:15	6903	B Thuso,L Nakedi,S Tlou
6905			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Tue 02/05/23 13:15	Tue 02/05/23 14:15	6904	B Thuso,L Nakedi,S Tlou
6906			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Tue 02/05/23 14:15	Tue 02/05/23 14:45	6905	B Thuso,L Nakedi,S Tlou
6907			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Tue 02/05/23 14:45	Tue 02/05/23 15:45	6906	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6908			Tension To The Correct Force And Deflection	0.5 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:15	6907	B Thuso,L Nakedi,S Tlou
6909			Replace Guard And Secure	0.5 hrs	Tue 02/05/23 16:15	Tue 02/05/23 16:45	6908	B Thuso,L Nakedi,S Tlou
6910			Carry Out Housekeeping	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	6909	B Thuso,L Nakedi,S Tlou
6911			Sign Off The Permit	0.25 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:15	6910	B Thuso,L Nakedi,S Tlou
6912			Clear Permit	0.25 hrs	Tue 02/05/23 17:15	Tue 02/05/23 17:30	6911	Operations
6913		**29C2RF02**	**# A2 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Tue 02/05/23 17:30**	**Thu 04/05/23 10:30**	**6889**	
6914			Make Out Permit	0.25 hrs	Tue 02/05/23 17:30	Tue 02/05/23 17:45		Operations
6915			Accept Permit	0.25 hrs	Tue 02/05/23 17:45	Tue 02/05/23 18:00	6914	B Thuso,L Nakedi,S Tlou
6916			Carry Out Risk Assesment	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	6915	B Thuso,L Nakedi,S Tlou
6917			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:45	6916	B Thuso,L Nakedi,S Tlou
6918			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Wed 03/05/23 07:45	Wed 03/05/23 08:15	6917	B Thuso,L Nakedi,S Tlou
6919			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:45	6918	B Thuso,L Nakedi,S Tlou
6920			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	6919	B Thuso,L Nakedi,S Tlou
6921			Slack The Chain	0.5 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:30	6920	B Thuso,L Nakedi,S Tlou
6922			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Wed 03/05/23 09:30	Wed 03/05/23 10:00	6921	B Thuso,L Nakedi,S Tlou
6923			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:30	6922	B Thuso,L Nakedi,S Tlou
6924			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Wed 03/05/23 10:30	Wed 03/05/23 11:00	6923	B Thuso,L Nakedi,S Tlou
6925			Tension The Drag Chain	0.5 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:30	6924	B Thuso,L Nakedi,S Tlou
6926			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 15:15	6925	B Thuso,L Nakedi,S Tlou
6927			Apply Sealant And Close The Top Covers	1 hr	Wed 03/05/23 15:15	Wed 03/05/23 16:15	6926	B Thuso,L Nakedi,S Tlou
6928			Open Plummer Blocks And Clean Old Grease	1 hr	Wed 03/05/23 16:15	Wed 03/05/23 17:15	6927	B Thuso,L Nakedi,S Tlou
6929			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Wed 03/05/23 17:15	Thu 04/05/23 07:15	6928	B Thuso,L Nakedi,S Tlou
6930			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:45	6929	B Thuso,L Nakedi,S Tlou
6931			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Thu 04/05/23 07:45	Thu 04/05/23 08:45	6930	B Thuso,L Nakedi,S Tlou
6932			Tension To The Correct Force And Deflection	0.5 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:15	6931	B Thuso,L Nakedi,S Tlou
6933			Replace Guard And Secure	0.5 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:45	6932	B Thuso,L Nakedi,S Tlou
6934			Carry Out Housekeeping	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	6933	B Thuso,L Nakedi,S Tlou
6935			Sign Off The Permit	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	6934	B Thuso,L Nakedi,S Tlou
6936			Clear Permit	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30	6935	Operations
6937		**29C2RP01**	**# A1 BUCKET ELEVATOR - Inspection And NDT**	**27.75 hrs**	**Tue 25/04/23 07:45**	**Thu 27/04/23 15:00**	**6831**	
6938			Make Out Permit	0.25 hrs	Tue 25/04/23 07:45	Tue 25/04/23 08:00		Operations
6939			Accept Permit	0.25 hrs	Tue 25/04/23 08:00	Tue 25/04/23 08:15	6938	B Thuso,L Nakedi,S Tlou
6940			Carry Out Risk Assesment	0.25 hrs	Tue 25/04/23 08:15	Tue 25/04/23 08:30	6939	B Thuso,L Nakedi,S Tlou
6941			Open The Inspection Doors	0.5 hrs	Tue 25/04/23 08:30	Tue 25/04/23 09:00	6940	B Thuso,L Nakedi,S Tlou
6942			Carry out decontamination protocol	6 hrs	Tue 25/04/23 09:00	Tue 25/04/23 15:30	6941	Nicholas
6943			Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Tue 25/04/23 15:30	Tue 25/04/23 16:00	6942	B Thuso,L Nakedi,S Tlou
6944			Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:30	6943	B Thuso,L Nakedi,S Tlou
6945			Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Tue 25/04/23 16:30	Tue 25/04/23 16:45	6944	B Thuso,L Nakedi,S Tlou
6946			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Tue 25/04/23 16:45	Tue 25/04/23 17:15	6945	B Thuso,L Nakedi,S Tlou
6947			Secure The Elevator Using Latching	0.5 hrs	Tue 25/04/23 17:15	Tue 25/04/23 17:45	6946	B Thuso,L Nakedi,S Tlou
6948			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Tue 25/04/23 17:45	Wed 26/04/23 07:15	6947	B Thuso,L Nakedi,S Tlou
6949			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Wed 26/04/23 07:15	Wed 26/04/23 07:45	6948	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6950			Replace Damaged Buckets	0.5 hrs	Wed 26/04/23 07:45	Wed 26/04/23 08:15	6949	B Thuso,L Nakedi,S Tlou
6951			Remove Latching	0.5 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:45	6950	B Thuso,L Nakedi,S Tlou
6952			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Wed 26/04/23 08:45	Wed 26/04/23 13:00	6951	B Thuso,L Nakedi,S Tlou
6953			Apply Sealant And Close The Doors	1 hr	Wed 26/04/23 13:00	Wed 26/04/23 14:00	6952	B Thuso,L Nakedi,S Tlou
6954			Open Plummer Blocks And Clean Old Grease	1 hr	Wed 26/04/23 14:00	Wed 26/04/23 15:00	6953	B Thuso,L Nakedi,S Tlou
6955			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Wed 26/04/23 15:00	Wed 26/04/23 16:00	6954	B Thuso,L Nakedi,S Tlou
6956			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:30	6955	B Thuso,L Nakedi,S Tlou
6957			Slack The V Belts And Replace With New Spb 1590X3	1 hr	Wed 26/04/23 16:30	Wed 26/04/23 17:30	6956	B Thuso,L Nakedi,S Tlou
6958			Tension To The Correct Force And Deflection	0.5 hrs	Wed 26/04/23 17:30	Wed 26/04/23 18:00	6957	B Thuso,L Nakedi,S Tlou
6959			Replace Guard And Secure	0.5 hrs	Thu 27/04/23 07:00	Thu 27/04/23 07:30	6958	B Thuso,L Nakedi,S Tlou
6960			Remove decontamination controls	6 hrs	Thu 27/04/23 07:30	Thu 27/04/23 14:00	6959	Nicholas
6961			Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Thu 27/04/23 14:00	Thu 27/04/23 14:15	6960	B Thuso,L Nakedi,S Tlou
6962			Carry Out Housekeeping	0.25 hrs	Thu 27/04/23 14:15	Thu 27/04/23 14:30	6961	B Thuso,L Nakedi,S Tlou
6963			Sign Off Permit	0.25 hrs	Thu 27/04/23 14:30	Thu 27/04/23 14:45	6962	B Thuso,L Nakedi,S Tlou
6964			Clear Permit	0.25 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:00	6963	Operations
6965		**29C2RM03**	**# A2 STAR FEEDER - Carry Out Inspection And Service**	**51.5 hrs**	**Wed 26/04/23 12:43**	**Mon 01/05/23 11:13**	**8608**	
6966			Prepare star feeder blades prior	0 hrs	Wed 26/04/23 12:43	Wed 26/04/23 12:43		
6967			Make Out Permit	0.25 hrs	Wed 26/04/23 12:43	Wed 26/04/23 12:58	6966	Operations
6968			Accept Permit	0.25 hrs	Wed 26/04/23 12:58	Wed 26/04/23 13:13	6967	B Thuso,L Nakedi,S Tlou
6969			Carry Out Risk Assesment	0.25 hrs	Wed 26/04/23 13:13	Wed 26/04/23 13:28	6968	B Thuso,L Nakedi,S Tlou
6970			Loosen star feeder mounting bolts	1 hr	Wed 26/04/23 13:28	Wed 26/04/23 14:28	6969	B Thuso,L Nakedi,S Tlou
6971			Remove all bolts and swing star feeder	3 hrs	Wed 26/04/23 14:28	Wed 26/04/23 17:28	6970	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6972			Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Wed 26/04/23 17:28	Wed 26/04/23 17:58	6971	B Thuso,L Nakedi,S Tlou
6973			Stop And swing back star feeder	1 hr	Wed 26/04/23 17:58	Thu 27/04/23 07:58	6972	B Thuso,L Nakedi,S Tlou
6974			Install and tighten mounting bolts	2 hrs	Thu 27/04/23 07:58	Thu 27/04/23 09:58	6973	B Thuso,L Nakedi,S Tlou
6975			Sign Off Permit If Everything Is In Order.	0.25 hrs	Thu 27/04/23 09:58	Thu 27/04/23 10:13	6974	B Thuso,L Nakedi,S Tlou
6976			If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Thu 27/04/23 10:13	Thu 27/04/23 10:28	6975	B Thuso,L Nakedi,S Tlou
6977			Loosen And Remove Guards	0.5 hrs	Thu 27/04/23 10:28	Thu 27/04/23 10:58	6976	B Thuso,L Nakedi,S Tlou
6978			Disconnect geared unit	1 hr	Thu 27/04/23 10:58	Thu 27/04/23 11:58	6977	L Majoo
6979			Remove the drive chain	1 hr	Thu 27/04/23 11:58	Thu 27/04/23 13:28	6978	B Thuso,L Nakedi,S Tlou
6980			Support geared unit and remove mounting bolts	1.5 hrs	Thu 27/04/23 13:28	Thu 27/04/23 14:58	6979	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6981			Rig out geared unit	1.5 hrs	Thu 27/04/23 14:58	Thu 27/04/23 16:28	6980	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6982			Support star feeder	0.5 hrs	Thu 27/04/23 16:28	Thu 27/04/23 16:58	6981	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6983			Rig out start feeder completely	1 hr	Thu 27/04/23 16:58	Thu 27/04/23 17:58	6982	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
6984			Clean star feeder and transport to workshop	0.5 hrs	Thu 27/04/23 17:58	Fri 28/04/23 07:28	6983	Crane lorry,G Moeseraela,T Moloi
6985			Mark all the mating components	0.5 hrs	Fri 28/04/23 07:28	Fri 28/04/23 07:58	6984	B Thuso,L Nakedi,S Tlou
6986			Strip star feeder	6 hrs	Fri 28/04/23 07:58	Fri 28/04/23 14:28	6985	B Thuso,L Nakedi,S Tlou
6987			Inspect and measure all the components	1.5 hrs	Fri 28/04/23 14:28	Fri 28/04/23 15:58	6986	B Thuso,L Nakedi,S Tlou
6988			Assemble star feeder	6 hrs	Fri 28/04/23 15:58	Sat 29/04/23 10:58	6987	B Thuso,L Nakedi,S Tlou
6989			Carry out quality checks	0.5 hrs	Sat 29/04/23 10:58	Sat 29/04/23 11:28	6988	B Thuso,L Nakedi,S Tlou
6990			Transport to plant	0.5 hrs	Sun 30/04/23 12:43	Sun 30/04/23 13:13	6989,8589	B Thuso,L Nakedi,S Tlou
6991			Rig star feeder into place and mount	2.5 hrs	Sun 30/04/23 13:13	Sun 30/04/23 15:43	6990	O/H crane,G Moeseraela,T Moloi
6992			Install geared unit	1 hr	Sun 30/04/23 15:43	Sun 30/04/23 16:43	6991	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
6993		Install drive chain	1 hr	Sun 30/04/23 16:43	Sun 30/04/23 17:43	6992	B Thuso,L Nakedi,S Tlou
6994		Install guards	1 hr	Sun 30/04/23 17:43	Mon 01/05/23 07:43	6993	B Thuso,L Nakedi,S Tlou
6995		Connect geared unit and verify direction	0.5 hrs	Mon 01/05/23 07:43	Mon 01/05/23 08:13	6994	B Thuso,L Nakedi,S Tlou
6996		Box up	2 hrs	Mon 01/05/23 08:13	Mon 01/05/23 10:13	6995	B Thuso,L Nakedi,S Tlou
6997		Lubricate drive chain	0.25 hrs	Mon 01/05/23 10:13	Mon 01/05/23 10:28	6996	B Thuso,L Nakedi,S Tlou
6998		Carry Out House Keeping	0.5 hrs	Mon 01/05/23 10:28	Mon 01/05/23 10:58	6997	B Thuso,L Nakedi,S Tlou
6999		Clear The Permit	0.25 hrs	Mon 01/05/23 10:58	Mon 01/05/23 11:13	6998	B Thuso,L Nakedi,S Tlou
7000	**29C2GK01**	**# A FEED HOPPER WITH STIRRERS (South) - Overhaul And Repair Base Plates Then Centralise Strainers**	**17 hrs**	**Tue 18/04/23 14:45**	**Thu 20/04/23 10:15**	**7063**	
7001		Make Out Permit	0.25 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:00		Operations
7002		Accept Permit	0.25 hrs	Tue 18/04/23 15:00	Tue 18/04/23 15:15	7001	B Thuso,L Nakedi,S Tlou
7003		Carry Out Risk Assesment	0.25 hrs	Tue 18/04/23 15:15	Tue 18/04/23 15:30	7002	B Thuso,L Nakedi,S Tlou
7004		Disconnect The Motors	0.5 hrs	Tue 18/04/23 15:30	Tue 18/04/23 16:00	7003	L Majoo
7005		Open The Inspection Cover And Perform Gas Test	0.5 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:30	7004	Lab,B Thuso,L Nakedi,S Tlou
7006		Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Tue 18/04/23 16:30	Tue 18/04/23 17:00	7005	B Thuso,L Nakedi,S Tlou
7007		Support The Stirrers With A Chain Block	0.5 hrs	Tue 18/04/23 17:00	Tue 18/04/23 17:30	7006	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7008		Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Tue 18/04/23 17:30	Tue 18/04/23 18:00	7007	B Thuso,L Nakedi,S Tlou
7009		Lower The Stirrers	0.5 hrs	Wed 19/04/23 07:00	Wed 19/04/23 07:30	7008	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7010		Support The Geared Unit With A Chain Block	0.5 hrs	Wed 19/04/23 07:30	Wed 19/04/23 08:00	7009	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7011		Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Wed 19/04/23 08:00	Wed 19/04/23 08:30	7010	B Thuso,L Nakedi,S Tlou
7012		Rig Out The Geared Unit And Transport To The Workshop	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	7011	G Moeseraela,T Moloi
7013		Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Wed 19/04/23 09:30	Wed 19/04/23 10:00	7012	B Thuso,L Nakedi,S Tlou
7014		Press Out The Bearings From The Housing	2 hrs	Wed 19/04/23 10:00	Wed 19/04/23 12:00	7013	B Thuso,L Nakedi,S Tlou
7015		Replace Bearings And Peck With New Grease	1 hr	Wed 19/04/23 12:30	Wed 19/04/23 13:30	7014	B Thuso,L Nakedi,S Tlou
7016		Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plat	2 hrs	Wed 19/04/23 13:30	Wed 19/04/23 15:30	7015	B Thuso,L Nakedi,S Tlou
7017		Replace Seals	1 hr	Wed 19/04/23 15:30	Wed 19/04/23 16:30	7016	B Thuso,L Nakedi,S Tlou
7018		Attach The Assembly To The Geared Unit And Secure	1 hr	Wed 19/04/23 16:30	Wed 19/04/23 17:30	7017	B Thuso,L Nakedi,S Tlou
7019		Transport To Site And Rig In Position And Secure	1 hr	Wed 19/04/23 17:30	Thu 20/04/23 07:30	7018	G Moeseraela,T Moloi
7020		Couple The Stirrer And The Gearbox	1 hr	Thu 20/04/23 07:30	Thu 20/04/23 08:30	7019	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7021		Reconnect The Motor And Confirm The Direction	0.5 hrs	Thu 20/04/23 08:30	Thu 20/04/23 09:00	7020	L Majoo
7022		Close The Feed Hopper Bonnet	0.5 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:30	7021	B Thuso,L Nakedi,S Tlou
7023		Carry Out Housekeeping	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	7022	B Thuso,L Nakedi,S Tlou
7024		Sign Off The Permit	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	7023	B Thuso,L Nakedi,S Tlou
7025		Clear Permit	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15	7024	B Thuso,L Nakedi,S Tlou
7026	**29C2GK01**	**# A FEED HOPPER WITH STIRRERS (North) - Overhaul And Repair Base Plates Then Centralise Strainers**	**17 hrs**	**Wed 19/04/23 09:30**	**Thu 20/04/23 16:30**	**7012**	
7027		Make Out Permit	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45		Operations
7028		Accept Permit	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	7027	B Thuso,L Nakedi,S Tlou
7029		Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	7028	B Thuso,L Nakedi,S Tlou
7030		Disconnect The Motors	0.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:45	7029	L Majoo
7031		Open The Inspection Cover And Perform Gas Test	0.5 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:15	7030	Lab,B Thuso,L Nakedi,S Tlou
7032		Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Wed 19/04/23 11:15	Wed 19/04/23 11:45	7031	B Thuso,L Nakedi,S Tlou
7033		Support The Stirrers With A Chain Block	0.5 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:45	7032	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7034		Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:15	7033	B Thuso,L Nakedi,S Tlou
7035		Lower The Stirrers	0.5 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:45	7034	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7036			Support The Geared Unit With A Chain Block	0.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 14:15	7035	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7037			Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:45	7036	B Thuso,L Nakedi,S Tlou
7038			Rig Out The Geared Unit And Transport To The Workshop	1 hr	Wed 19/04/23 14:45	Wed 19/04/23 15:45	7037	G Moeseraela,T Moloi
7039			Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:15	7038	B Thuso,L Nakedi,S Tlou
7040			Press Out The Bearings From The Housing	2 hrs	Wed 19/04/23 16:15	Thu 20/04/23 07:15	7039	B Thuso,L Nakedi,S Tlou
7041			Replace Bearings And Peck With New Grease	1 hr	Thu 20/04/23 07:15	Thu 20/04/23 08:15	7040	B Thuso,L Nakedi,S Tlou
7042			Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plat	2 hrs	Thu 20/04/23 08:15	Thu 20/04/23 10:15	7041	B Thuso,L Nakedi,S Tlou
7043			Replace Seals	1 hr	Thu 20/04/23 10:15	Thu 20/04/23 11:15	7042	B Thuso,L Nakedi,S Tlou
7044			Attach The Assembly To The Geared Unit And Secure	1 hr	Thu 20/04/23 11:15	Thu 20/04/23 12:45	7043	B Thuso,L Nakedi,S Tlou
7045			Transport To Site And Rig In Position And Secure	1 hr	Thu 20/04/23 12:45	Thu 20/04/23 13:45	7044	G Moeseraela,T Moloi
7046			Couple The Stirrer And The Gearbox	1 hr	Thu 20/04/23 13:45	Thu 20/04/23 14:45	7045	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7047			Reconnect The Motor And Confirm The Direction	0.5 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:15	7046	L Majoo
7048			Close The Feed Hopper Bonnet	0.5 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:45	7047	B Thuso,L Nakedi,S Tlou
7049			Carry Out Housekeeping	0.25 hrs	Thu 20/04/23 15:45	Thu 20/04/23 16:00	7048	B Thuso,L Nakedi,S Tlou
7050			Sign Off The Permit	0.25 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:15	7049	B Thuso,L Nakedi,S Tlou
7051			Clear Permit	0.25 hrs	Thu 20/04/23 16:15	Thu 20/04/23 16:30	7050	B Thuso,L Nakedi,S Tlou
7052		**29C2RL01**	**# A SCREW FEEDER - Ovehaul Screw Feeder**	**53.25 hrs**	**Mon 17/04/23 10:30**	**Sat 22/04/23 11:15**		
7053			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7054			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7053	B Thuso,L Nakedi,S Tlou
7055			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7054	B Thuso,L Nakedi,S Tlou
7056			Remove Guards For The Drive Chain	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7055	B Thuso,L Nakedi,S Tlou
7057			Remove Guards For The V Belts	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7056	L Majoo
7058			Slack And Remove The V Belts	1 hr	Mon 17/04/23 12:45	Mon 17/04/23 13:45	7057	B Thuso,L Nakedi,S Tlou
7059			Remove The Screw Feeder Guards And Uncouple Screws From The Gearbox	3 hrs	Mon 17/04/23 13:45	Mon 17/04/23 16:45	7058	B Thuso,L Nakedi,S Tlou
7060			Loosen And Remove The Gearbox Mouting Bolts,Then Rig Out The Screw Feeder Gearbox	4 hrs	Mon 17/04/23 16:45	Tue 18/04/23 09:45	7059	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7061			Loosen And Remove All Mounting Bolts For The Screw Feeder	0.5 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:15	7060	B Thuso,L Nakedi,S Tlou
7062			Lift And Support The Feed Hopper To Create Clearance	1 hr	Tue 18/04/23 10:15	Tue 18/04/23 11:15	7061	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7063			Rig Out The Screw Feeder And Transport To The Workshop After Washir	3 hrs	Tue 18/04/23 11:15	Tue 18/04/23 14:45	7062	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7064			Remove The Stuffing Box,Clean And Inspect For Wear,Then Replace	0.5 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:15	7063	B Thuso,L Nakedi,S Tlou
7065			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Tue 18/04/23 15:15	Wed 19/04/23 08:00	7064	B Thuso,L Nakedi,S Tlou
7066			Replace The Screws And inspect Housing For Wear	4.5 hrs	Wed 19/04/23 08:00	Wed 19/04/23 13:00	7065	B Thuso,L Nakedi,S Tlou
7067			Remove stuffing boxes and machine	16 hrs	Wed 19/04/23 13:00	Fri 21/04/23 07:30	7066	B Thuso,L Nakedi,S Tlou
7068			Repack The Stuffing Boxes And Replace The Gland Follower	1 hr	Fri 21/04/23 07:30	Fri 21/04/23 08:30	7067	B Thuso,L Nakedi,S Tlou
7069			Inspect The Seal Plate Mounting Holes And Recondition	3 hrs	Fri 21/04/23 08:30	Fri 21/04/23 11:30	7068	Machinist,B Thuso,L Nakedi,S Tlou
7070			Allign The Screws Such That The Key Ways Lie On The Same Plane(Timing Of Screws)	0.5 hrs	Fri 21/04/23 11:30	Fri 21/04/23 12:00	7069	B Thuso,L Nakedi,S Tlou
7071			Tag Weld The Flat Bar On The Drive Side To Prevent Movement Of Screws During Transportation And Installation Nb,The Flat Bar Must Be Be Removed Once The Screw Feeder Is In Its Position	0.5 hrs	Fri 21/04/23 12:30	Fri 21/04/23 13:00	7070	M Ramatlhakeng,S Monna
7072			Transport To Site And Rig In Position And Secure	3 hrs	Fri 21/04/23 13:00	Fri 21/04/23 16:00	7071	G Moeseraela,T Moloi
7073			Lower The Hopper And Secure	0.5 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:30	7072	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7074			Drain Oil In The Gearbox	1 hr	Fri 21/04/23 16:30	Fri 21/04/23 17:30	7073	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7075			Replace Oil Seals	1 hr	Fri 21/04/23 17:30	Sat 22/04/23 07:30	7074	B Thuso,L Nakedi,S Tlou
7076			Install The Gearbox And Align To The Screw Feeder Shafts,Then Secure	1 hr	Sat 22/04/23 07:30	Sat 22/04/23 08:30	7075	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7077			Cut Off The Flat Bar And Couple The Gearbox To The Screw	0.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 09:00	7076	B Thuso,L Nakedi,S Tlou,M Ramatlhakeng,S Monna
7078			Replace The Screw Guards	0.5 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:30	7077	B Thuso,L Nakedi,S Tlou
7079			Align The Gearbox And Motor Pulleys	0.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 10:00	7078	B Thuso,L Nakedi,S Tlou
7080			Install V Belts And Tension To The Correct Force And Deflection	0.5 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:30	7079	B Thuso,L Nakedi,S Tlou
7081			Install V Belts Guard	0.5 hrs	Sat 22/04/23 10:30	Sat 22/04/23 11:00	7080	B Thuso,L Nakedi,S Tlou
7082			Carry Out Housekeeping	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	7081	B Thuso,L Nakedi,S Tlou
7083			Clear Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		B Thuso,L Nakedi,S Tlou
7084		**29C2GP01**	**# A COMPACTOR - Compactor general inspections**	**11.25 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 11:15**		
7085			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Ops Fman(Comp)
7086			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7085	Comp-FT3
7087			Inspect compactor shims for wear and damage	2 hrs	Mon 17/04/23 11:00	Mon 17/04/23 13:30	7086	Comp-FT10,Rig (Comp)
7088			Check for oil leaks on Hydraulic Cylinders and fittings, Top up use Engen	1 hr	Mon 17/04/23 13:30	Mon 17/04/23 14:30	7087	Rig (Comp)
7089			Inspect hydraulic hoses for leaks and damage	1.5 hrs	Mon 17/04/23 14:30	Mon 17/04/23 16:00	7088	Rig (Comp),Reliability
7090			Compactor Cardan Shafts	2 hrs	Mon 17/04/23 16:00	Mon 17/04/23 18:00	7089	Comp-FT3,Reliability
7091			Clean and inspect carden shafts for cracks and loose flange bolts	1 hr	Tue 18/04/23 07:00	Tue 18/04/23 08:00	7090	Rig (Comp)
7092			Inspect bolts for wear, damage, looseness and missing ones - retorque if	1 hr	Tue 18/04/23 08:00	Tue 18/04/23 09:00	7091	Comp-FT3,Reliability
7093			Grease Cardan Shaft Universals both joints until grease leaks from all 8	1 hr	Tue 18/04/23 09:00	Tue 18/04/23 10:00	7092	Comp-FT10,Rig (Comp),Reliability
7094			Grease Cardan Shaft splines 5 pumps of grease use EP22 grease	1 hr	Tue 18/04/23 10:00	Tue 18/04/23 11:00	7093	Rig (Comp),Reliability
7095			Clear permit	0.25 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:15	7094	Comp-FT3
7096		**29C2GP01**	**# A COMPACTOR - Inspect general inspections**	**30.25 hrs**	**Tue 18/04/23 11:15**	**Fri 21/04/23 10:00**	**7084**	
7097			Make out permit	0.25 hrs	Tue 18/04/23 11:15	Tue 18/04/23 11:30		Operations
7098			Accept permit	0.25 hrs	Tue 18/04/23 11:30	Tue 18/04/23 11:45	7097	B Thuso,L Nakedi,S Tlou
7099			Carry out risk assesment	0.25 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:00	7098	B Thuso,L Nakedi,S Tlou
7100			Remove guards for the drive chain	0.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 13:00	7099	B Thuso,L Nakedi,S Tlou
7101			Organise an empty drum and a manual pump	0 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:00	7100	B Thuso,L Nakedi,S Tlou
7102			Remove guards (cardan shaft and v belts guard)	2 hrs	Tue 18/04/23 13:00	Tue 18/04/23 15:00	7101	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7103			Disconnect the motor and mark the terminals	1 hr	Tue 18/04/23 15:00	Tue 18/04/23 16:00	7102	L Majoo
7104			Slack the v belts and remove them	0.5 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:30	7103	B Thuso,L Nakedi,S Tlou
7105			Slack the chain	0.5 hrs	Tue 18/04/23 16:30	Tue 18/04/23 17:00	7104	B Thuso,L Nakedi,S Tlou
7106			Loosen and remove the back cover for the coil	0.5 hrs	Tue 18/04/23 17:00	Tue 18/04/23 17:30	7105	B Thuso,L Nakedi,S Tlou
7107			Support the motor with an overhead crane	0.5 hrs	Tue 18/04/23 17:30	Tue 18/04/23 18:00	7106	G Moeseraela,T Moloi
7108			Loosen the motor mounting bolts and rig out the motor	1 hr	Wed 19/04/23 07:00	Wed 19/04/23 08:00	7107	B Thuso,L Nakedi,S Tlou
7109			Remove the input shaft pulley and the back plate for the guard	1 hr	Wed 19/04/23 08:00	Wed 19/04/23 09:00	7108	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7110			Support the top cardan shaft with an overhead crane	0.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:30	7109	G Moeseraela,T Moloi
7111			Remove all bolts and rig out the top cardan shaft	2 hrs	Wed 19/04/23 09:30	Wed 19/04/23 11:30	7110	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7112			Drain oil to lower level below the top cover to be removed	0.5 hrs	Wed 19/04/23 11:30	Wed 19/04/23 12:00	7111	B Thuso,L Nakedi,S Tlou
7113			Loosen and remove the gearbox top cover mounting bolts with a hytorc machine	3 hrs	Wed 19/04/23 12:30	Wed 19/04/23 15:30	7112	B Thuso,L Nakedi,S Tlou
7114			Lift the top cover to expose the gears and move it to the side	1 hr	Wed 19/04/23 15:30	Wed 19/04/23 16:30	7113	G Moeseraela,T Moloi
7115			Inspect gears and repair or replace if necessary	1 hr	Wed 19/04/23 16:30	Wed 19/04/23 17:30	7114	Reliability,B Thuso,L Nakedi,S Tlou
7116			Clean the mating surfaces and apply sealing compound,and replace all leaking seal	0.5 hrs	Wed 19/04/23 17:30	Wed 19/04/23 18:00	7115	B Thuso,L Nakedi,S Tlou
7117			Lower the top cover and secure with bolts,then tighten to specifications	3 hrs	Thu 20/04/23 07:00	Thu 20/04/23 10:00	7116	G Moeseraela,T Moloi

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7118		Install the top cardan shaft and fasten	2 hrs	Thu 20/04/23 10:00	Thu 20/04/23 12:00	7117	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7119		Replace the back cover plate for the v belts guard and install input shaft pulley	1 hr	Thu 20/04/23 12:30	Thu 20/04/23 13:30	7118	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7120		Replace the motor and align pulleys	2 hrs	Thu 20/04/23 13:30	Thu 20/04/23 15:30	7119	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7121		Reconnect the motor	0.5 hrs	Thu 20/04/23 15:30	Thu 20/04/23 16:00	7120	L Majoo
7122		Install vee belts SPC 22NX4000 and ensure correct tension	1 hr	Thu 20/04/23 16:00	Thu 20/04/23 17:00	7121	B Thuso,L Nakedi,S Tlou
7123		Replace all guards	2 hrs	Thu 20/04/23 17:00	Fri 21/04/23 08:00	7122	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7124		Open the inspection and refill to the correct level	1 hr	Fri 21/04/23 08:00	Fri 21/04/23 09:00	7123	B Thuso,L Nakedi,S Tlou
7125		Close the inspection cover	0.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:30	7124	B Thuso,L Nakedi,S Tlou
7126		Carry out housekeeping	0.25 hrs	Fri 21/04/23 09:30	Fri 21/04/23 09:45	7125	B Thuso,L Nakedi,S Tlou
7127		Clear the permit	0.25 hrs	Fri 21/04/23 09:45	Fri 21/04/23 10:00	7126	Operations
7128	**29C2GP01**	**# A COMPACTOR (TRANSFER SCREW) - Carry out inspection**	**6 hrs**	**Fri 21/04/23 10:00**	**Fri 21/04/23 16:30**	**7096**	
7129		Accept permit	0.25 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:15		B Thuso,L Nakedi,S Tlou
7130		Carry out risk assesment	0.25 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:30	7129	B Thuso,L Nakedi,S Tlou
7131		Remove top covers	0.5 hrs	Fri 21/04/23 10:30	Fri 21/04/23 11:00	7130	B Thuso,L Nakedi,S Tlou
7132		Inspect screw for wear,physical damage and deformation	1 hr	Fri 21/04/23 11:00	Fri 21/04/23 12:00	7131	B Thuso,L Nakedi,S Tlou
7133		Apply sealant and replace top covers	0.5 hrs	Fri 21/04/23 12:30	Fri 21/04/23 13:00	7132	B Thuso,L Nakedi,S Tlou
7134		Inspect flange bearings,lubricate with grease and replace if necessary	3 hrs	Fri 21/04/23 13:00	Fri 21/04/23 16:00	7133	B Thuso,L Nakedi,S Tlou
7135		Sign off permit	0.25 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:15	7134	B Thuso,L Nakedi,S Tlou
7136		Clear permit	0.25 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:30	7135	Operations
7137	**29C2GP01**	**# A COMPACTOR - (distribution screw) Carry out inspection**	**10 hrs**	**Fri 21/04/23 16:30**	**Sat 22/04/23 16:00**	**7128**	
7138		Make out permit	0.25 hrs	Fri 21/04/23 16:30	Fri 21/04/23 16:45		Operations
7139		Accept permit	0.25 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:00	7138	B Thuso,L Nakedi,S Tlou
7140		Carry out risk assesment	0.25 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:15	7139	B Thuso,L Nakedi,S Tlou
7141		Remove top covers(Hood)	0.5 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:45	7140	B Thuso,L Nakedi,S Tlou
7142		Diconnect motor and mark the terminals	0.5 hrs	Fri 21/04/23 17:45	Sat 22/04/23 07:15	7141	L Majoo
7143		Remove oversize pipe	0.5 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:45	7142	B Thuso,L Nakedi,S Tlou
7144		Loosen mounting bolts and rig out the screw	1.75 hrs	Sat 22/04/23 07:45	Sat 22/04/23 09:30	7143	
7145		Wash screw thoroughly and transport to the workshop	0.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 10:00	7144	B Thuso,L Nakedi,S Tlou
7146		Open the top cover and inspect the screw for wear,physical damage and deformation	0.5 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:30	7145	B Thuso,L Nakedi,S Tlou
7147		Remove gearbox and change bearings	0.5 hrs	Sat 22/04/23 10:30	Sat 22/04/23 11:00	7146	B Thuso,L Nakedi,S Tlou
7148		Replace gearbox with a new one	0.5 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:30	7147	B Thuso,L Nakedi,S Tlou
7149		Transport to the site	0.5 hrs	Sat 22/04/23 11:30	Sat 22/04/23 12:00	7148	B Thuso,L Nakedi,S Tlou
7150		Rig in position	1.5 hrs	Sat 22/04/23 12:30	Sat 22/04/23 14:00	7149	G Moeseraela,T Moloi
7151		Reconnect the motor and check direction	0.5 hrs	Sat 22/04/23 14:00	Sat 22/04/23 14:30	7150	L Majoo
7152		Replace oversize pipe	0.5 hrs	Sat 22/04/23 14:30	Sat 22/04/23 15:00	7151	B Thuso,L Nakedi,S Tlou
7153		Replace the covers(Hood)	0.5 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:30	7152	B Thuso,L Nakedi,S Tlou
7154		Sign of the permit	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45	7153	B Thuso,L Nakedi,S Tlou
7155		Clear permit	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	7154	Operations
7156	**29C2GU01**	**# A LUBRICATION UNIT - Service Lubrication Unit And Repair Oil Leaks**	**42 hrs**	**Sat 22/04/23 16:00**	**Wed 26/04/23 16:00**	**7137**	
7157		Make out permit	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15		Operations
7158		Accept permit	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30	7157	B Thuso,L Nakedi,S Tlou
7159		Carry out risk assement	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	7158	B Thuso,L Nakedi,S Tlou
7160		Disconnect motor	1 hr	Sat 22/04/23 16:45	Sat 22/04/23 17:45	7159	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7161			Rig out motor	0.5 hrs	Sat 22/04/23 17:45	Sun 23/04/23 07:15	7160	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7162			Drain oil	2.5 hrs	Sun 23/04/23 07:15	Sun 23/04/23 09:45	7161	B Thuso,L Nakedi,S Tlou
7163			Disconnect discharge pipe	1.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 11:15	7162	B Thuso,L Nakedi,S Tlou
7164			Open top cover	0.5 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:45	7163	B Thuso,L Nakedi,S Tlou
7165			Clean tank	3 hrs	Sun 23/04/23 11:45	Sun 23/04/23 15:15	7164	B Thuso,L Nakedi,S Tlou
7166			Change lube oil pump	3 hrs	Sun 23/04/23 15:15	Mon 24/04/23 07:15	7165	B Thuso,L Nakedi,S Tlou
7167			Box up	1 hr	Mon 24/04/23 07:15	Mon 24/04/23 08:15	7166	B Thuso,L Nakedi,S Tlou
7168			Mount motor	0.5 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:45	7167	B Thuso,L Nakedi,S Tlou
7169			Connect motor	1 hr	Mon 24/04/23 08:45	Mon 24/04/23 09:45	7168	B Thuso,L Nakedi,S Tlou
7170			Fill oil	1.5 hrs	Mon 24/04/23 09:45	Mon 24/04/23 11:15	7169	B Thuso,L Nakedi,S Tlou
7171			Check direction	0.25 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:30	7170	B Thuso,L Nakedi,S Tlou
7172			# B LUBRICATION UNIT - Service Lubrication Unit And Repair Oil Leaks	22 hrs	Mon 24/04/23 11:30	Wed 26/04/23 13:00	7171	B Thuso,L Nakedi,S Tlou
7173			Re clean sytem and top up oil	2 hrs	Wed 26/04/23 13:00	Wed 26/04/23 15:00	7172	B Thuso,L Nakedi,S Tlou
7174			house keeping	0.5 hrs	Wed 26/04/23 15:00	Wed 26/04/23 15:30	7173	B Thuso,L Nakedi,S Tlou
7175			Clear permit	0.25 hrs	Wed 26/04/23 15:30	Wed 26/04/23 15:45	7174	B Thuso,L Nakedi,S Tlou
7176			Clear test run permit	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00	7175	B Thuso,L Nakedi,S Tlou
7177		**29C2PF01**	**# A HYDRAULIC UNIT - Service hydraulic Unit And Repair Oil Leaks**	**14 hrs**	**Wed 26/04/23 16:00**	**Fri 28/04/23 08:30**	**7156**	
7178			Make out permit	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15		Operations
7179			Accept permit	0.25 hrs	Wed 26/04/23 16:15	Wed 26/04/23 16:30	7178	B Thuso,L Nakedi,S Tlou
7180			Carry out risk assement	0.25 hrs	Wed 26/04/23 16:30	Wed 26/04/23 16:45	7179	B Thuso,L Nakedi,S Tlou
7181			Disconnect motors	1 hr	Wed 26/04/23 16:45	Wed 26/04/23 17:45	7180	B Thuso,L Nakedi,S Tlou
7182			Rig out motors	0.5 hrs	Wed 26/04/23 17:45	Thu 27/04/23 07:15	7181	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7183			Drain oil	1.5 hrs	Thu 27/04/23 07:15	Thu 27/04/23 08:45	7182	B Thuso,L Nakedi,S Tlou
7184			Disconnect discharge pipe	1 hr	Thu 27/04/23 08:45	Thu 27/04/23 09:45	7183	B Thuso,L Nakedi,S Tlou
7185			Open top cover	0.5 hrs	Thu 27/04/23 09:45	Thu 27/04/23 10:15	7184	B Thuso,L Nakedi,S Tlou
7186			Clean tank	2 hrs	Thu 27/04/23 10:15	Thu 27/04/23 12:45	7185	B Thuso,L Nakedi,S Tlou
7187			Change hydraulic pumps	1.5 hrs	Thu 27/04/23 12:45	Thu 27/04/23 14:15	7186	B Thuso,L Nakedi,S Tlou
7188			Box up	1 hr	Thu 27/04/23 14:15	Thu 27/04/23 15:15	7187	B Thuso,L Nakedi,S Tlou
7189			Mount motors	1 hr	Thu 27/04/23 15:15	Thu 27/04/23 16:15	7188	B Thuso,L Nakedi,S Tlou
7190			Connect motors	1 hr	Thu 27/04/23 16:15	Thu 27/04/23 17:15	7189	B Thuso,L Nakedi,S Tlou
7191			Fill oil	1.5 hrs	Thu 27/04/23 17:15	Fri 28/04/23 07:45	7190	B Thuso,L Nakedi,S Tlou
7192			house keeping	0.25 hrs	Fri 28/04/23 07:45	Fri 28/04/23 08:00	7191	B Thuso,L Nakedi,S Tlou
7193			Check direction	0.25 hrs	Fri 28/04/23 08:00	Fri 28/04/23 08:15	7192	B Thuso,L Nakedi,S Tlou
7194			Clear test run permit	0.25 hrs	Fri 28/04/23 08:15	Fri 28/04/23 08:30	7193	B Thuso,L Nakedi,S Tlou
7195		**29C2GF01**	**# A FLAKE CRUSHER - Carry Out Inspection And Service**	**9.5 hrs**	**Fri 28/04/23 08:30**	**Sat 29/04/23 07:30**	**7177**	
7196			Make Out Permit	0.25 hrs	Fri 28/04/23 08:30	Fri 28/04/23 08:45		Operations
7197			Accept Permit	0.25 hrs	Fri 28/04/23 08:45	Fri 28/04/23 09:00	7196	B Thuso,L Nakedi,S Tlou
7198			Carry Out Risk Assesment	0.25 hrs	Fri 28/04/23 09:00	Fri 28/04/23 09:15	7197	B Thuso,L Nakedi,S Tlou
7199			Loosen Mouting Bolts For The Guards And Check The Condition Of Coupling	0.5 hrs	Fri 28/04/23 09:15	Fri 28/04/23 09:45	7198	B Thuso,L Nakedi,S Tlou
7200			Inspect Labyrinth Seals For Wear And Damage	2 hrs	Fri 28/04/23 09:45	Fri 28/04/23 11:45	7199	B Thuso,L Nakedi,S Tlou
7201			Open The Plummer Blocks And Clean Old Grease	2 hrs	Fri 28/04/23 11:45	Fri 28/04/23 14:15	7200	B Thuso,L Nakedi,S Tlou
7202			Inspect Bearings And Repack With New Grease	2 hrs	Fri 28/04/23 14:15	Fri 28/04/23 16:15	7201	B Thuso,L Nakedi,S Tlou
7203			Close The Plummer Blocks	1 hr	Fri 28/04/23 16:15	Fri 28/04/23 17:15	7202	B Thuso,L Nakedi,S Tlou
7204			Sign Off Permit	1 hr	Fri 28/04/23 17:15	Sat 29/04/23 07:15	7203	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7205			Clear Permit	0.25 hrs	Sat 29/04/23 07:15	Sat 29/04/23 07:30	7204	B Thuso,L Nakedi,S Tlou
7206		**29C2GF02**	**# A PRE CRUSHER - Remove crusher for overhaul**	**46.75 hrs**	**Mon 17/04/23 10:30**	**Fri 21/04/23 15:45**		
7207			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7208			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7207	B Thuso,L Nakedi,S Tlou
7209			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7208	B Thuso,L Nakedi,S Tlou
7210			Remove Guards	2 hrs	Mon 17/04/23 11:15	Mon 17/04/23 13:45	7209	B Thuso,L Nakedi,S Tlou
7211			Support all geared units and loosen all mounting bolts	3.5 hrs	Mon 17/04/23 13:45	Mon 17/04/23 17:15	7210	B Thuso,L Nakedi,S Tlou
7212			Disconnect all geared units	3 hrs	Mon 17/04/23 17:15	Tue 18/04/23 09:15	7211	B Thuso,L Nakedi,S Tlou
7213			Rig out all geared units	2 hrs	Tue 18/04/23 09:15	Tue 18/04/23 11:15	7212	O/H crane,G Moeseraela,T Moloi
7214			Loosen all chute bolts	2.5 hrs	Tue 18/04/23 11:15	Tue 18/04/23 14:15	7213	B Thuso,L Nakedi,S Tlou
7215			Rig out the chute	2.5 hrs	Tue 18/04/23 14:15	Tue 18/04/23 16:45	7214	O/H crane,G Moeseraela,T Moloi
7216			Loosen all crusher mounting bolts	0.25 hrs	Tue 18/04/23 16:45	Tue 18/04/23 17:00	7215	B Thuso,L Nakedi,S Tlou
7217			Rig out the crusher	2.5 hrs	Tue 18/04/23 17:00	Wed 19/04/23 08:30	7216	O/H crane,G Moeseraela,T Moloi
7218			Clean the crusher and transport to the workshop	1 hr	Wed 19/04/23 08:30	Wed 19/04/23 09:30	7217	Crane lorry,B Thuso,L Nakedi,S Tlou,G Moeseraela,T M
7219			Mark all the components prior to stripping	1 hr	Wed 19/04/23 09:30	Wed 19/04/23 10:30	7218	B Thuso,L Nakedi,S Tlou
7220			Strip the crusher	6 hrs	Wed 19/04/23 10:30	Wed 19/04/23 17:00	7219	B Thuso,L Nakedi,S Tlou
7221			Inspect all components and measure	1 hr	Wed 19/04/23 17:00	Wed 19/04/23 18:00	7220	B Thuso,L Nakedi,S Tlou
7222			Assemble the crusher	10 hrs	Thu 20/04/23 07:00	Thu 20/04/23 17:30	7221	B Thuso,L Nakedi,S Tlou
7223			Carry out quality check	0.5 hrs	Thu 20/04/23 17:30	Thu 20/04/23 18:00	7222	B Thuso,L Nakedi,S Tlou
7224			Transport to the plant	1 hr	Fri 21/04/23 08:00	Fri 21/04/23 09:00	7223,7490	Crane lorry,G Moeseraela,T Moloi
7225			Rig in the crusher and mount	2 hrs	Fri 21/04/23 09:00	Fri 21/04/23 11:00	7224	O/H crane,G Moeseraela,T Moloi
7226			Rig in the geared,couple and mount	1.5 hrs	Fri 21/04/23 11:00	Fri 21/04/23 13:00	7225	O/H crane,G Moeseraela,T Moloi
7227			Rig in the chute and install bolts	0.5 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:30	7226	O/H crane,G Moeseraela,T Moloi
7228			Seal all covers(Box up)	1 hr	Fri 21/04/23 13:30	Fri 21/04/23 14:30	7227	B Thuso,L Nakedi,S Tlou
7229			Carry out housekeeping	1 hr	Fri 21/04/23 14:30	Fri 21/04/23 15:30	7228	B Thuso,L Nakedi,S Tlou
7230			Clear Permit	0.25 hrs	Fri 21/04/23 15:30	Fri 21/04/23 15:45	7229	B Thuso,L Nakedi,S Tlou
7231		**29C2RF03**	**# A3 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Thu 04/05/23 10:30**	**Fri 05/05/23 15:00**	**6913**	
7232			Erect scaffolding prior	0 hrs	Thu 04/05/23 10:30	Thu 04/05/23 10:30		T Moloi,G Moeseraela
7233			Make Out Permit	0.25 hrs	Thu 04/05/23 10:30	Thu 04/05/23 10:45	7232	Operations
7234			Accept Permit	0.25 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:00	7233	B Thuso,L Nakedi,S Tlou
7235			Carry Out Risk Assesment	0.25 hrs	Thu 04/05/23 11:00	Thu 04/05/23 11:15	7234	B Thuso,L Nakedi,S Tlou
7236			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Thu 04/05/23 11:15	Thu 04/05/23 11:45	7235	B Thuso,L Nakedi,S Tlou
7237			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:45	7236	B Thuso,L Nakedi,S Tlou
7238			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:15	7237	B Thuso,L Nakedi,S Tlou
7239			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Thu 04/05/23 13:15	Thu 04/05/23 13:30	7238	B Thuso,L Nakedi,S Tlou
7240			Slack The Chain	0.5 hrs	Thu 04/05/23 13:30	Thu 04/05/23 14:00	7239	B Thuso,L Nakedi,S Tlou
7241			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:30	7240	B Thuso,L Nakedi,S Tlou
7242			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 04/05/23 14:30	Thu 04/05/23 15:00	7241	B Thuso,L Nakedi,S Tlou
7243			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:30	7242	B Thuso,L Nakedi,S Tlou
7244			Tension The Drag Chain	0.5 hrs	Thu 04/05/23 15:30	Thu 04/05/23 16:00	7243	B Thuso,L Nakedi,S Tlou
7245			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Thu 04/05/23 16:00	Fri 05/05/23 08:15	7244	B Thuso,L Nakedi,S Tlou
7246			Apply Sealant And Close The Top Covers	1 hr	Fri 05/05/23 08:15	Fri 05/05/23 09:15	7245	B Thuso,L Nakedi,S Tlou
7247			Open Plummer Blocks And Clean Old Grease	1 hr	Fri 05/05/23 09:15	Fri 05/05/23 10:15	7246	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7248			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Fri 05/05/23 10:15	Fri 05/05/23 11:15	7247	B Thuso,L Nakedi,S Tlou
7249			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:45	7248	B Thuso,L Nakedi,S Tlou
7250			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Fri 05/05/23 11:45	Fri 05/05/23 13:15	7249	B Thuso,L Nakedi,S Tlou
7251			Tension To The Correct Force And Deflection	0.5 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:45	7250	B Thuso,L Nakedi,S Tlou
7252			Replace Guard And Secure	0.5 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:15	7251	B Thuso,L Nakedi,S Tlou
7253			Carry Out Housekeeping	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	7252	B Thuso,L Nakedi,S Tlou
7254			Sign Off The Permit	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45	7253	B Thuso,L Nakedi,S Tlou
7255			Clear Permit	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	7254	Operations
7256			Dismantle scaffolding	0 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:00	7255	G Moeseraela,T Moloi
7257		**29C2RP02**	**# A2 BUCKET ELEVATOR - Inspection And NDT**	**27.75 hrs**	**Thu 27/04/23 15:00**	**Sun 30/04/23 10:45**	**6937**	
7258			Make Out Permit	0.25 hrs	Thu 27/04/23 15:00	Thu 27/04/23 15:15		Operations
7259			Accept Permit	0.25 hrs	Thu 27/04/23 15:15	Thu 27/04/23 15:30	7258	B Thuso,L Nakedi,S Tlou
7260			Carry Out Risk Assesment	0.25 hrs	Thu 27/04/23 15:30	Thu 27/04/23 15:45	7259	B Thuso,L Nakedi,S Tlou
7261			Open The Inspection Doors	0.5 hrs	Thu 27/04/23 15:45	Thu 27/04/23 16:15	7260	B Thuso,L Nakedi,S Tlou
7262			Carry out decontamination protocol	6 hrs	Thu 27/04/23 16:15	Fri 28/04/23 11:15	7261	Nicholas
7263			Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Fri 28/04/23 11:15	Fri 28/04/23 11:45	7262	B Thuso,L Nakedi,S Tlou
7264			Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:45	7263	B Thuso,L Nakedi,S Tlou
7265			Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Fri 28/04/23 12:45	Fri 28/04/23 13:00	7264	B Thuso,L Nakedi,S Tlou
7266			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 28/04/23 13:00	Fri 28/04/23 13:30	7265	B Thuso,L Nakedi,S Tlou
7267			Secure The Elevator Using Latching	0.5 hrs	Fri 28/04/23 13:30	Fri 28/04/23 14:00	7266	B Thuso,L Nakedi,S Tlou
7268			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 28/04/23 14:00	Fri 28/04/23 14:30	7267	B Thuso,L Nakedi,S Tlou
7269			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 28/04/23 14:30	Fri 28/04/23 15:00	7268	B Thuso,L Nakedi,S Tlou
7270			Replace Damaged Buckets	0.5 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:30	7269	B Thuso,L Nakedi,S Tlou
7271			Remove Latching	0.5 hrs	Fri 28/04/23 15:30	Fri 28/04/23 16:00	7270	B Thuso,L Nakedi,S Tlou
7272			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Fri 28/04/23 16:00	Sat 29/04/23 08:45	7271	B Thuso,L Nakedi,S Tlou
7273			Apply Sealant And Close The Doors	1 hr	Sat 29/04/23 08:45	Sat 29/04/23 09:45	7272	B Thuso,L Nakedi,S Tlou
7274			Open Plummer Blocks And Clean Old Grease	1 hr	Sat 29/04/23 09:45	Sat 29/04/23 10:45	7273	B Thuso,L Nakedi,S Tlou
7275			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 29/04/23 10:45	Sat 29/04/23 11:45	7274	B Thuso,L Nakedi,S Tlou
7276			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 29/04/23 11:45	Sat 29/04/23 12:45	7275	B Thuso,L Nakedi,S Tlou
7277			Slack The V Belts And Replace With New Spb 1590X3	1 hr	Sat 29/04/23 12:45	Sat 29/04/23 13:45	7276	B Thuso,L Nakedi,S Tlou
7278			Tension To The Correct Force And Deflection	0.5 hrs	Sat 29/04/23 13:45	Sat 29/04/23 14:15	7277	B Thuso,L Nakedi,S Tlou
7279			Replace Guard And Secure	0.5 hrs	Sat 29/04/23 14:15	Sat 29/04/23 14:45	7278	B Thuso,L Nakedi,S Tlou
7280			Remove decontamination controls	6 hrs	Sat 29/04/23 14:45	Sun 30/04/23 09:45	7279	Nicholas
7281			Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Sun 30/04/23 09:45	Sun 30/04/23 10:00	7280	B Thuso,L Nakedi,S Tlou
7282			Carry Out Housekeeping	0.25 hrs	Sun 30/04/23 10:00	Sun 30/04/23 10:15	7281	B Thuso,L Nakedi,S Tlou
7283			Sign Off Permit	0.25 hrs	Sun 30/04/23 10:15	Sun 30/04/23 10:30	7282	B Thuso,L Nakedi,S Tlou
7284			Clear Permit	0.25 hrs	Sun 30/04/23 10:30	Sun 30/04/23 10:45	7283	Operations
7285		**29C2RF08**	**# A7 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Sun 30/04/23 10:45**	**Mon 01/05/23 15:15**	**7257**	
7286			Make Out Permit	0.25 hrs	Sun 30/04/23 10:45	Sun 30/04/23 11:00		Operations
7287			Accept Permit	0.25 hrs	Sun 30/04/23 11:00	Sun 30/04/23 11:15	7286	B Thuso,L Nakedi,S Tlou
7288			Carry Out Risk Assesment	0.25 hrs	Sun 30/04/23 11:15	Sun 30/04/23 11:30	7287	B Thuso,L Nakedi,S Tlou
7289			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sun 30/04/23 11:30	Sun 30/04/23 12:00	7288	B Thuso,L Nakedi,S Tlou
7290			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sun 30/04/23 12:30	Sun 30/04/23 13:00	7289	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7291		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sun 30/04/23 13:00	Sun 30/04/23 13:30	7290	B Thuso,L Nakedi,S Tlou
7292		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sun 30/04/23 13:30	Sun 30/04/23 13:45	7291	B Thuso,L Nakedi,S Tlou
7293		Slack The Chain	0.5 hrs	Sun 30/04/23 13:45	Sun 30/04/23 14:15	7292	B Thuso,L Nakedi,S Tlou
7294		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sun 30/04/23 14:15	Sun 30/04/23 14:45	7293	B Thuso,L Nakedi,S Tlou
7295		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sun 30/04/23 14:45	Sun 30/04/23 15:15	7294	B Thuso,L Nakedi,S Tlou
7296		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sun 30/04/23 15:15	Sun 30/04/23 15:45	7295	B Thuso,L Nakedi,S Tlou
7297		Tension The Drag Chain	0.5 hrs	Sun 30/04/23 15:45	Sun 30/04/23 16:15	7296	B Thuso,L Nakedi,S Tlou
7298		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sun 30/04/23 16:15	Mon 01/05/23 08:30	7297	B Thuso,L Nakedi,S Tlou
7299		Apply Sealant And Close The Top Covers	1 hr	Mon 01/05/23 08:30	Mon 01/05/23 09:30	7298	B Thuso,L Nakedi,S Tlou
7300		Open Plummer Blocks And Clean Old Grease	1 hr	Mon 01/05/23 09:30	Mon 01/05/23 10:30	7299	B Thuso,L Nakedi,S Tlou
7301		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Mon 01/05/23 10:30	Mon 01/05/23 11:30	7300	B Thuso,L Nakedi,S Tlou
7302		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 01/05/23 11:30	Mon 01/05/23 12:00	7301	B Thuso,L Nakedi,S Tlou
7303		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Mon 01/05/23 12:30	Mon 01/05/23 13:30	7302	B Thuso,L Nakedi,S Tlou
7304		Tension To The Correct Force And Deflection	0.5 hrs	Mon 01/05/23 13:30	Mon 01/05/23 14:00	7303	B Thuso,L Nakedi,S Tlou
7305		Replace Guard And Secure	0.5 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:30	7304	B Thuso,L Nakedi,S Tlou
7306		Carry Out Housekeeping	0.25 hrs	Mon 01/05/23 14:30	Mon 01/05/23 14:45	7305	B Thuso,L Nakedi,S Tlou
7307		Sign Off The Permit	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	7306	B Thuso,L Nakedi,S Tlou
7308		Clear Permit	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15	7307	Operations
7309	**29C2RH01**	**# A1 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.5 hrs**	**Thu 04/05/23 10:58**	**Sat 06/05/23 12:58**	**6756**	
7310		Make Out Permit	0.25 hrs	Thu 04/05/23 10:58	Thu 04/05/23 11:13		Operations
7311		Accept Permit	0.25 hrs	Thu 04/05/23 11:13	Thu 04/05/23 11:28	7310	B Thuso,L Nakedi,S Tlou
7312		Carry Out Risk Assesment	0.25 hrs	Thu 04/05/23 11:28	Thu 04/05/23 11:43	7311	B Thuso,L Nakedi,S Tlou
7313		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Thu 04/05/23 11:43	Fri 05/05/23 07:13	7312	B Thuso,L Nakedi,S Tlou
7314		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Fri 05/05/23 07:13	Fri 05/05/23 13:13	7313	B Thuso,L Nakedi,S Tlou
7315		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 05/05/23 13:13	Fri 05/05/23 15:13	7314	B Thuso,L Nakedi,S Tlou
7316		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 05/05/23 15:13	Fri 05/05/23 17:13	7315	B Thuso,L Nakedi,S Tlou
7317		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Fri 05/05/23 17:13	Sat 06/05/23 08:13	7316	B Thuso,L Nakedi,S Tlou
7318		Check For Cracks On The Tray And Repair Accordinly	1 hr	Sat 06/05/23 08:13	Sat 06/05/23 09:13	7317	B Thuso,L Nakedi,S Tlou
7319		Loosen And Remove The Back Cover For The Coil	1 hr	Sat 06/05/23 09:13	Sat 06/05/23 10:13	7318	B Thuso,L Nakedi,S Tlou
7320		Check The Springs For The Coil And Replace If Necessary	1 hr	Sat 06/05/23 10:13	Sat 06/05/23 11:13	7319	B Thuso,L Nakedi,S Tlou
7321		Replace The Back Cover And Secure	0.5 hrs	Sat 06/05/23 11:13	Sat 06/05/23 11:43	7320	B Thuso,L Nakedi,S Tlou
7322		Carry Out House Keeping	0.25 hrs	Sat 06/05/23 11:43	Sat 06/05/23 11:58	7321	B Thuso,L Nakedi,S Tlou
7323		Sign Of The Permit	0.25 hrs	Sat 06/05/23 11:58	Sat 06/05/23 12:43	7322	B Thuso,L Nakedi,S Tlou
7324		Clear Permit	0.25 hrs	Sat 06/05/23 12:43	Sat 06/05/23 12:58	7323	Operations
7325	**29C2RH02**	**# A2 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Sat 06/05/23 12:58**	**Mon 08/05/23 14:13**	**7309**	
7326		Make Out Permit	0.25 hrs	Sat 06/05/23 12:58	Sat 06/05/23 13:13		Operations
7327		Accept Permit	0.25 hrs	Sat 06/05/23 13:13	Sat 06/05/23 13:28	7326	B Thuso,L Nakedi,S Tlou
7328		Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 13:28	Sat 06/05/23 13:43	7327	B Thuso,L Nakedi,S Tlou
7329		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Sat 06/05/23 13:43	Sun 07/05/23 08:43	7328	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7330		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Sun 07/05/23 08:43	Sun 07/05/23 14:43	7329	B Thuso,L Nakedi,S Tlou
7331		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sun 07/05/23 14:43	Sun 07/05/23 16:43	7330	B Thuso,L Nakedi,S Tlou
7332		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sun 07/05/23 16:43	Mon 08/05/23 07:43	7331	B Thuso,L Nakedi,S Tlou
7333		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Mon 08/05/23 07:43	Mon 08/05/23 09:43	7332	B Thuso,L Nakedi,S Tlou
7334		Check For Cracks On The Tray And Repair Accordinly	1 hr	Mon 08/05/23 09:43	Mon 08/05/23 10:43	7333	B Thuso,L Nakedi,S Tlou
7335		Loosen And Remove The Back Cover For The Coil	1 hr	Mon 08/05/23 10:43	Mon 08/05/23 11:43	7334	B Thuso,L Nakedi,S Tlou
7336		Check The Springs For The Coil And Replace If Necessary	1 hr	Mon 08/05/23 11:43	Mon 08/05/23 13:13	7335	B Thuso,L Nakedi,S Tlou
7337		Replace The Back Cover And Secure	0.5 hrs	Mon 08/05/23 13:13	Mon 08/05/23 13:43	7336	B Thuso,L Nakedi,S Tlou
7338		Carry Out House Keeping	0.25 hrs	Mon 08/05/23 13:43	Mon 08/05/23 13:58	7337	B Thuso,L Nakedi,S Tlou
7339		Clear Permit	0.25 hrs	Mon 08/05/23 13:58	Mon 08/05/23 14:13	7338	Operations
7340	**29C2RH03**	**# A3 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Mon 08/05/23 14:13**	**Wed 10/05/23 15:28**	**7325**	
7341		Make Out Permit	0.25 hrs	Mon 08/05/23 14:13	Mon 08/05/23 14:28		Operations
7342		Accept Permit	0.25 hrs	Mon 08/05/23 14:28	Mon 08/05/23 14:43	7341	B Thuso,L Nakedi,S Tlou
7343		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 14:43	Mon 08/05/23 14:58	7342	B Thuso,L Nakedi,S Tlou
7344		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Mon 08/05/23 14:58	Tue 09/05/23 09:58	7343	B Thuso,L Nakedi,S Tlou
7345		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Tue 09/05/23 09:58	Tue 09/05/23 15:58	7344	B Thuso,L Nakedi,S Tlou
7346		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Tue 09/05/23 15:58	Tue 09/05/23 17:58	7345	B Thuso,L Nakedi,S Tlou
7347		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Tue 09/05/23 17:58	Wed 10/05/23 08:58	7346	B Thuso,L Nakedi,S Tlou
7348		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Wed 10/05/23 08:58	Wed 10/05/23 10:58	7347	B Thuso,L Nakedi,S Tlou
7349		Check For Cracks On The Tray And Repair Accordinly	1 hr	Wed 10/05/23 10:58	Wed 10/05/23 11:58	7348	B Thuso,L Nakedi,S Tlou
7350		Loosen And Remove The Back Cover For The Coil	1 hr	Wed 10/05/23 11:58	Wed 10/05/23 13:28	7349	B Thuso,L Nakedi,S Tlou
7351		Check The Springs For The Coil And Replace If Necessary	1 hr	Wed 10/05/23 13:28	Wed 10/05/23 14:28	7350	B Thuso,L Nakedi,S Tlou
7352		Replace The Back Cover And Secure	0.5 hrs	Wed 10/05/23 14:28	Wed 10/05/23 14:58	7351	B Thuso,L Nakedi,S Tlou
7353		Carry Out House Keeping	0.25 hrs	Wed 10/05/23 14:58	Wed 10/05/23 15:13	7352	B Thuso,L Nakedi,S Tlou
7354		Clear Permit	0.25 hrs	Wed 10/05/23 15:13	Wed 10/05/23 15:28	7353	Operations
7355	**29C2RH04**	**# A4 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts etc)**	**22.25 hrs**	**Wed 10/05/23 15:28**	**Fri 12/05/23 16:43**	**7340**	
7356		Make Out Permit	0.25 hrs	Wed 10/05/23 15:28	Wed 10/05/23 15:43		Operations
7357		Accept Permit	0.25 hrs	Wed 10/05/23 15:43	Wed 10/05/23 15:58	7356	B Thuso,L Nakedi,S Tlou
7358		Carry Out Risk Assesment	0.25 hrs	Wed 10/05/23 15:58	Wed 10/05/23 16:13	7357	B Thuso,L Nakedi,S Tlou
7359		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Wed 10/05/23 16:13	Thu 11/05/23 11:13	7358	B Thuso,L Nakedi,S Tlou
7360		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Thu 11/05/23 11:13	Thu 11/05/23 17:13	7359	B Thuso,L Nakedi,S Tlou
7361		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Thu 11/05/23 17:13	Fri 12/05/23 08:13	7360	B Thuso,L Nakedi,S Tlou
7362		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 12/05/23 08:13	Fri 12/05/23 10:13	7361	B Thuso,L Nakedi,S Tlou
7363		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Fri 12/05/23 10:13	Fri 12/05/23 12:43	7362	B Thuso,L Nakedi,S Tlou
7364		Check For Cracks On The Tray And Repair Accordinly	1 hr	Fri 12/05/23 12:43	Fri 12/05/23 13:43	7363	B Thuso,L Nakedi,S Tlou
7365		Loosen And Remove The Back Cover For The Coil	1 hr	Fri 12/05/23 13:43	Fri 12/05/23 14:43	7364	B Thuso,L Nakedi,S Tlou
7366		Check The Springs For The Coil And Replace If Necessary	1 hr	Fri 12/05/23 14:43	Fri 12/05/23 15:43	7365	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7367			Replace The Back Cover And Secure	0.5 hrs	Fri 12/05/23 15:43	Fri 12/05/23 16:13	7366	B Thuso,L Nakedi,S Tlou
7368			Carry Out House Keeping	0.25 hrs	Fri 12/05/23 16:13	Fri 12/05/23 16:28	7367	B Thuso,L Nakedi,S Tlou
7369			Clear Permit	0.25 hrs	Fri 12/05/23 16:28	Fri 12/05/23 16:43	7368	Operations
7370		**29C2GF03**	**# A3 PRE - Roller Crusher Carry Out Inspection And Service**	**13 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 13:30**		
7371			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7372			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7371	B Thuso,L Nakedi,S Tlou
7373			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7372	B Thuso,L Nakedi,S Tlou
7374			Remove Covers	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7373	B Thuso,L Nakedi,S Tlou
7375			Drain Gearbox Oil	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7374	B Thuso,L Nakedi,S Tlou
7376			Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Mon 17/04/23 12:45	Mon 17/04/23 13:45	7375	B Thuso,L Nakedi,S Tlou
7377			Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:15	7376	B Thuso,L Nakedi,S Tlou
7378			Replace Cover Seal And Close The Reservoir	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	7377	B Thuso,L Nakedi,S Tlou
7379			Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct Accordingly	1 hr	Mon 17/04/23 14:45	Mon 17/04/23 15:45	7378	B Thuso,L Nakedi,S Tlou
7380			Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Mon 17/04/23 15:45	Mon 17/04/23 16:15	7379	B Thuso,L Nakedi,S Tlou
7381			Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:45	7380	B Thuso,L Nakedi,S Tlou
7382			Grease All Bearings	1 hr	Mon 17/04/23 16:45	Mon 17/04/23 17:45	7381	B Thuso,L Nakedi,S Tlou
7383			Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Mon 17/04/23 17:45	Tue 18/04/23 07:15	7382	B Thuso,L Nakedi,S Tlou
7384			Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:15	7383	B Thuso,L Nakedi,S Tlou
7385			Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:45	7384	B Thuso,L Nakedi,S Tlou
7386			Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Tue 18/04/23 09:45	Tue 18/04/23 10:45	7385	B Thuso,L Nakedi,S Tlou
7387			Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Tue 18/04/23 10:45	Tue 18/04/23 11:15	7386	B Thuso,L Nakedi,S Tlou
7388			Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Tue 18/04/23 11:15	Tue 18/04/23 11:45	7387	B Thuso,L Nakedi,S Tlou
7389			Apply Sealant And Close All Side Covers	0.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:45	7388	B Thuso,L Nakedi,S Tlou
7390			Carry Out Housekeeping	0.25 hrs	Tue 18/04/23 12:45	Tue 18/04/23 13:00	7389	B Thuso,L Nakedi,S Tlou
7391			Sign Off The Permit	0.25 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:15	7390	B Thuso,L Nakedi,S Tlou
7392			Clear The Permit	0.25 hrs	Tue 18/04/23 13:15	Tue 18/04/23 13:30	7391	B Thuso,L Nakedi,S Tlou
7393		**29C2GF04**	**# A2 PRE - Roller Crusher Carry Out Inspection And Service**	**13 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 13:30**		
7394			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7395			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7394	B Thuso,L Nakedi,S Tlou
7396			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7395	B Thuso,L Nakedi,S Tlou
7397			Remove Covers	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7396	B Thuso,L Nakedi,S Tlou
7398			Drain Gearbox Oil	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7397	B Thuso,L Nakedi,S Tlou
7399			Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Mon 17/04/23 12:45	Mon 17/04/23 13:45	7398	B Thuso,L Nakedi,S Tlou
7400			Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:15	7399	B Thuso,L Nakedi,S Tlou
7401			Replace Cover Seal And Close The Reservoir	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	7400	B Thuso,L Nakedi,S Tlou
7402			Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct Accordingly	1 hr	Mon 17/04/23 14:45	Mon 17/04/23 15:45	7401	B Thuso,L Nakedi,S Tlou
7403			Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Mon 17/04/23 15:45	Mon 17/04/23 16:15	7402	B Thuso,L Nakedi,S Tlou
7404			Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:45	7403	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7405			Grease All Bearings	1 hr	Mon 17/04/23 16:45	Mon 17/04/23 17:45	7404	B Thuso,L Nakedi,S Tlou
7406			Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Mon 17/04/23 17:45	Tue 18/04/23 07:15	7405	B Thuso,L Nakedi,S Tlou
7407			Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Tue 18/04/23 07:15	Tue 18/04/23 09:15	7406	B Thuso,L Nakedi,S Tlou
7408			Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:45	7407	B Thuso,L Nakedi,S Tlou
7409			Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Tue 18/04/23 09:45	Tue 18/04/23 10:45	7408	B Thuso,L Nakedi,S Tlou
7410			Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Tue 18/04/23 10:45	Tue 18/04/23 11:15	7409	B Thuso,L Nakedi,S Tlou
7411			Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Tue 18/04/23 11:15	Tue 18/04/23 11:45	7410	B Thuso,L Nakedi,S Tlou
7412			Apply Sealant And Close All Side Covers	0.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 12:45	7411	B Thuso,L Nakedi,S Tlou
7413			Carry Out Housekeeping	0.25 hrs	Tue 18/04/23 12:45	Tue 18/04/23 13:00	7412	B Thuso,L Nakedi,S Tlou
7414			Sign Off The Permit	0.25 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:15	7413	B Thuso,L Nakedi,S Tlou
7415			Clear The Permit	0.25 hrs	Tue 18/04/23 13:15	Tue 18/04/23 13:30	7414	B Thuso,L Nakedi,S Tlou
7416		**29C2GF05**	**# A4 PRE - Roller Crusher Overhaul Crusher**	**44 hrs**	**Wed 19/04/23 09:30**	**Sun 23/04/23 11:30**	**7218**	
7417			Make Out Permit	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45		Operations
7418			Accept Permit	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	7417	B Thuso,L Nakedi,S Tlou
7419			Carry Out Risk Assesment	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	7418	B Thuso,L Nakedi,S Tlou
7420			Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Wed 19/04/23 10:15	Wed 19/04/23 11:15	7419	B Thuso,L Nakedi,S Tlou
7421			Support The Vibrating Feeder With A Chain Block	1 hr	Wed 19/04/23 11:15	Wed 19/04/23 12:45	7420	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7422			Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Wed 19/04/23 12:45	Wed 19/04/23 13:15	7421	B Thuso,L Nakedi,S Tlou
7423			Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Wed 19/04/23 13:15	Wed 19/04/23 13:45	7422	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7424			Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 14:15	7423	L Majoo
7425			Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Wed 19/04/23 14:15	Wed 19/04/23 15:15	7424	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7426			Remove The V Belts Guard	0.25 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:30	7425	B Thuso,L Nakedi,S Tlou
7427			Slack The Motor And Remove The V Belts	0.25 hrs	Wed 19/04/23 15:30	Wed 19/04/23 15:45	7426	B Thuso,L Nakedi,S Tlou
7428			Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Wed 19/04/23 15:45	Wed 19/04/23 16:45	7427	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7429			Lower The Motor To Suitable Position	0.25 hrs	Wed 19/04/23 16:45	Wed 19/04/23 17:00	7428	G Moeseraela,T Moloi
7430			Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	7429	B Thuso,L Nakedi,S Tlou
7431			Remove The Crusher Mounting Bolts	0.5 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:45	7430	B Thuso,L Nakedi,S Tlou
7432			Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Wed 19/04/23 17:45	Thu 20/04/23 08:45	7431	G Moeseraela,T Moloi
7433			Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00	7432	B Thuso,L Nakedi,S Tlou
7434			Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Thu 20/04/23 09:00	Thu 20/04/23 11:00	7433	B Thuso,L Nakedi,S Tlou
7435			Remove The Front Panel Of The Wheel Guard	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	7434	B Thuso,L Nakedi,S Tlou
7436			Pull Out The Gears	2 hrs	Thu 20/04/23 11:15	Thu 20/04/23 13:45	7435	B Thuso,L Nakedi,S Tlou
7437			Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Thu 20/04/23 13:45	Thu 20/04/23 14:15	7436	B Thuso,L Nakedi,S Tlou
7438			Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Thu 20/04/23 14:15	Thu 20/04/23 14:45	7437	B Thuso,L Nakedi,S Tlou
7439			Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working Roll	0.25 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:00	7438	B Thuso,L Nakedi,S Tlou
7440			Remove The V Belt Pulleys	1 hr	Thu 20/04/23 15:00	Thu 20/04/23 16:00	7439	B Thuso,L Nakedi,S Tlou
7441			Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Thu 20/04/23 16:00	Thu 20/04/23 18:00	7440	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7442		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:30	7441	B Thuso,L Nakedi,S Tlou
7443		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Fri 21/04/23 07:30	Fri 21/04/23 09:30	7442	B Thuso,L Nakedi,S Tlou
7444		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Fri 21/04/23 09:30	Fri 21/04/23 10:30	7443	B Thuso,L Nakedi,S Tlou
7445		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Fri 21/04/23 10:30	Fri 21/04/23 11:00	7444	B Thuso,L Nakedi,S Tlou
7446		Position The Filling Covers On The Rolls	0.25 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:15	7445	B Thuso,L Nakedi,S Tlou
7447		Install The Sealing Ring	0.25 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:30	7446	B Thuso,L Nakedi,S Tlou
7448		Inset The Inner Bearing Cover	0.25 hrs	Fri 21/04/23 11:30	Fri 21/04/23 11:45	7447	B Thuso,L Nakedi,S Tlou
7449		Mount Locating Ring	0.25 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:00	7448	B Thuso,L Nakedi,S Tlou
7450		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Fri 21/04/23 12:30	Fri 21/04/23 14:30	7449	B Thuso,L Nakedi,S Tlou
7451		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Fri 21/04/23 14:30	Fri 21/04/23 15:30	7450	B Thuso,L Nakedi,S Tlou
7452		Replace The End Covers And Box	1 hr	Fri 21/04/23 15:30	Fri 21/04/23 16:30	7451	B Thuso,L Nakedi,S Tlou
7453		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Fri 21/04/23 16:30	Fri 21/04/23 17:30	7452	B Thuso,L Nakedi,S Tlou
7454		Replace The Oil Tank And Secure	1 hr	Fri 21/04/23 17:30	Sat 22/04/23 07:30	7453	B Thuso,L Nakedi,S Tlou
7455		Install Gears And Lock Them	1 hr	Sat 22/04/23 07:30	Sat 22/04/23 08:30	7454	B Thuso,L Nakedi,S Tlou
7456		Close The Resevoir	0.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 09:00	7455	B Thuso,L Nakedi,S Tlou
7457		Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Sat 22/04/23 09:00	Sat 22/04/23 10:00	7456	B Thuso,L Nakedi,S Tlou
7458		Install Eccentric Shaft	1 hr	Sat 22/04/23 10:00	Sat 22/04/23 11:00	7457	B Thuso,L Nakedi,S Tlou
7459		Replace Adjusting Mechanism	1 hr	Sat 22/04/23 11:00	Sat 22/04/23 12:00	7458	B Thuso,L Nakedi,S Tlou
7460		Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Sat 22/04/23 12:30	Sat 22/04/23 13:00	7459	B Thuso,L Nakedi,S Tlou
7461		Install The Roll Assembly In The Frame	1.5 hrs	Sat 22/04/23 13:00	Sat 22/04/23 14:30	7460	B Thuso,L Nakedi,S Tlou
7462		Install Scraper And Adjust	0.5 hrs	Sat 22/04/23 14:30	Sat 22/04/23 15:00	7461	B Thuso,L Nakedi,S Tlou
7463		Transport To The Plant And Rig In Position And Secure	2.5 hrs	Sat 22/04/23 15:00	Sat 22/04/23 17:30	7462	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7464		Install The Chute And Secure	1 hr	Sat 22/04/23 17:30	Sun 23/04/23 07:30	7463	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7465		Lower The Vibrating Feeder And Secure	0.5 hrs	Sun 23/04/23 07:30	Sun 23/04/23 08:00	7464	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7466		Install The Motor And Align The Pulleys	1 hr	Sun 23/04/23 08:00	Sun 23/04/23 09:00	7465	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7467		Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Sun 23/04/23 09:00	Sun 23/04/23 09:30	7466	B Thuso,L Nakedi,S Tlou
7468		Replace The Guard	0.25 hrs	Sun 23/04/23 09:30	Sun 23/04/23 09:45	7467	B Thuso,L Nakedi,S Tlou
7469		Connect Under Speed Sensors	0.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 10:15	7468	L Majoo
7470		Box Up The Crusher	0.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:45	7469	B Thuso,L Nakedi,S Tlou
7471		Refill To The Correct Level Gen Gear 680	0.5 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:15	7470	B Thuso,L Nakedi,S Tlou
7472		Carry House Keeping	0.25 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:30	7471	B Thuso,L Nakedi,S Tlou
7473		Clear Permit	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45		B Thuso,L Nakedi,S Tlou
7474	**29C2GF06**	**# A4 PRE - Roller Crusher Overhaul Crusher**	**44 hrs**	**Thu 20/04/23 08:45**	**Mon 24/04/23 10:45**	**7432**	
7475		Make Out Permit	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00		Operations
7476		Accept Permit	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	7475	B Thuso,L Nakedi,S Tlou
7477		Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	7476	B Thuso,L Nakedi,S Tlou
7478		Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Thu 20/04/23 09:30	Thu 20/04/23 10:30	7477	B Thuso,L Nakedi,S Tlou
7479		Support The Vibrating Feeder With A Chain Block	1 hr	Thu 20/04/23 10:30	Thu 20/04/23 11:30	7478	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7480		Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Thu 20/04/23 11:30	Thu 20/04/23 12:00	7479	B Thuso,L Nakedi,S Tlou
7481		Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Thu 20/04/23 12:30	Thu 20/04/23 13:00	7480	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7482		Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:30	7481	L Majoo
7483		Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Thu 20/04/23 13:30	Thu 20/04/23 14:30	7482	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7484		Remove The V Belts Guard	0.25 hrs	Thu 20/04/23 14:30	Thu 20/04/23 14:45	7483	B Thuso,L Nakedi,S Tlou
7485		Slack The Motor And Remove The V Belts	0.25 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:00	7484	B Thuso,L Nakedi,S Tlou
7486		Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Thu 20/04/23 15:00	Thu 20/04/23 16:00	7485	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7487		Lower The Motor To Suitable Position	0.25 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:15	7486	G Moeseraela,T Moloi
7488		Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Thu 20/04/23 16:15	Thu 20/04/23 16:30	7487	B Thuso,L Nakedi,S Tlou
7489		Remove The Crusher Mounting Bolts	0.5 hrs	Thu 20/04/23 16:30	Thu 20/04/23 17:00	7488	B Thuso,L Nakedi,S Tlou
7490		Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Thu 20/04/23 17:00	Fri 21/04/23 08:00	7489	G Moeseraela,T Moloi
7491		Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Fri 21/04/23 08:00	Fri 21/04/23 08:15	7490	B Thuso,L Nakedi,S Tlou
7492		Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Fri 21/04/23 08:15	Fri 21/04/23 10:15	7491	B Thuso,L Nakedi,S Tlou
7493		Remove The Front Panel Of The Wheel Guard	0.25 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:30	7492	B Thuso,L Nakedi,S Tlou
7494		Pull Out The Gears	2 hrs	Fri 21/04/23 10:30	Fri 21/04/23 13:00	7493	B Thuso,L Nakedi,S Tlou
7495		Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:30	7494	B Thuso,L Nakedi,S Tlou
7496		Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Fri 21/04/23 13:30	Fri 21/04/23 14:00	7495	B Thuso,L Nakedi,S Tlou
7497		Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working Roll	0.25 hrs	Fri 21/04/23 14:00	Fri 21/04/23 14:15	7496	B Thuso,L Nakedi,S Tlou
7498		Remove The V Belt Pulleys	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	7497	B Thuso,L Nakedi,S Tlou
7499		Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Fri 21/04/23 15:15	Fri 21/04/23 17:15	7498	B Thuso,L Nakedi,S Tlou
7500		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:45	7499	B Thuso,L Nakedi,S Tlou
7501		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Fri 21/04/23 17:45	Sat 22/04/23 08:45	7500	B Thuso,L Nakedi,S Tlou
7502		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Sat 22/04/23 08:45	Sat 22/04/23 09:45	7501	B Thuso,L Nakedi,S Tlou
7503		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:15	7502	B Thuso,L Nakedi,S Tlou
7504		Position The Filling Covers On The Rolls	0.25 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:30	7503	B Thuso,L Nakedi,S Tlou
7505		Install The Sealing Ring	0.25 hrs	Sat 22/04/23 10:30	Sat 22/04/23 10:45	7504	B Thuso,L Nakedi,S Tlou
7506		Inset The Inner Bearing Cover	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	7505	B Thuso,L Nakedi,S Tlou
7507		Mount Locating Ring	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	7506	B Thuso,L Nakedi,S Tlou
7508		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Sat 22/04/23 11:15	Sat 22/04/23 13:45	7507	B Thuso,L Nakedi,S Tlou
7509		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Sat 22/04/23 13:45	Sat 22/04/23 14:45	7508	B Thuso,L Nakedi,S Tlou
7510		Replace The End Covers And Box	1 hr	Sat 22/04/23 14:45	Sat 22/04/23 15:45	7509	B Thuso,L Nakedi,S Tlou
7511		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Sat 22/04/23 15:45	Sat 22/04/23 16:45	7510	B Thuso,L Nakedi,S Tlou
7512		Replace The Oil Tank And Secure	1 hr	Sat 22/04/23 16:45	Sat 22/04/23 17:45	7511	B Thuso,L Nakedi,S Tlou
7513		Install Gears And Lock Them	1 hr	Sat 22/04/23 17:45	Sun 23/04/23 07:45	7512	B Thuso,L Nakedi,S Tlou
7514		Close The Resevoir	0.5 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:15	7513	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7515			Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Sun 23/04/23 08:15	Sun 23/04/23 09:15	7514	B Thuso,L Nakedi,S Tlou
7516			Install Eccentric Shaft	1 hr	Sun 23/04/23 09:15	Sun 23/04/23 10:15	7515	B Thuso,L Nakedi,S Tlou
7517			Replace Adjusting Mechanism	1 hr	Sun 23/04/23 10:15	Sun 23/04/23 11:15	7516	B Thuso,L Nakedi,S Tlou
7518			Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:45	7517	B Thuso,L Nakedi,S Tlou
7519			Install The Roll Assembly In The Frame	1.5 hrs	Sun 23/04/23 11:45	Sun 23/04/23 13:45	7518	B Thuso,L Nakedi,S Tlou
7520			Install Scraper And Adjust	0.5 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:15	7519	B Thuso,L Nakedi,S Tlou
7521			Transport To The Plant And Rig In Position And Secure	2.5 hrs	Sun 23/04/23 14:15	Sun 23/04/23 16:45	7520	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7522			Install The Chute And Secure	1 hr	Sun 23/04/23 16:45	Sun 23/04/23 17:45	7521	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7523			Lower The Vibrating Feeder And Secure	0.5 hrs	Sun 23/04/23 17:45	Mon 24/04/23 07:15	7522	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7524			Install The Motor And Align The Pulleys	1 hr	Mon 24/04/23 07:15	Mon 24/04/23 08:15	7523	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7525			Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:45	7524	B Thuso,L Nakedi,S Tlou
7526			Replace The Guard	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	7525	B Thuso,L Nakedi,S Tlou
7527			Connect Under Speed Sensors	0.5 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:30	7526	L Majoo
7528			Box Up The Crusher	0.5 hrs	Mon 24/04/23 09:30	Mon 24/04/23 10:00	7527	B Thuso,L Nakedi,S Tlou
7529			Refill To The Correct Level Gen Gear 680	0.5 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:30	7528	B Thuso,L Nakedi,S Tlou
7530			Carry House Keeping	0.25 hrs	Mon 24/04/23 10:30	Mon 24/04/23 10:45	7529	B Thuso,L Nakedi,S Tlou
7531			Clear Permit	0.25 hrs	Thu 20/04/23 08:45	Thu 20/04/23 09:00		B Thuso,L Nakedi,S Tlou
7532		**29C2GN01**	**# A1 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**13.75 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 14:15**		
7533			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7534			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7533	B Thuso,L Nakedi,S Tlou
7535			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7534	B Thuso,L Nakedi,S Tlou
7536			Remove Guards For The Drive Chain	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7535	B Thuso,L Nakedi,S Tlou
7537			Open The Bonnets And Front Cover	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7536	B Thuso,L Nakedi,S Tlou
7538			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	7537	B Thuso,L Nakedi,S Tlou
7539			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Mon 17/04/23 13:15	Mon 17/04/23 14:15	7538	B Thuso,L Nakedi,S Tlou
7540			Slack The Chain	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	7539	B Thuso,L Nakedi,S Tlou
7541			Check The Profile Ledges And Replace If Ncessary	1 hr	Mon 17/04/23 14:45	Mon 17/04/23 15:45	7540	B Thuso,L Nakedi,S Tlou
7542			Replace The Tensioning Ledges And Secure	1 hr	Mon 17/04/23 15:45	Mon 17/04/23 16:45	7541	B Thuso,L Nakedi,S Tlou
7543			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:15	7542	B Thuso,L Nakedi,S Tlou
7544			Check Beater Bars For Wear On The Journals	0.5 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:45	7543	B Thuso,L Nakedi,S Tlou
7545			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Mon 17/04/23 17:45	Tue 18/04/23 10:30	7544	B Thuso,L Nakedi,S Tlou
7546			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 18/04/23 10:30	Tue 18/04/23 11:00	7545	B Thuso,L Nakedi,S Tlou
7547			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:30	7546	B Thuso,L Nakedi,S Tlou
7548			Close The Rear Cover	0.5 hrs	Tue 18/04/23 11:30	Tue 18/04/23 12:00	7547	B Thuso,L Nakedi,S Tlou
7549			Close The Front Cover	0.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 13:00	7548	B Thuso,L Nakedi,S Tlou
7550			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:30	7549	B Thuso,L Nakedi,S Tlou
7551			Stop The Screen And Colse All Covers	0.5 hrs	Tue 18/04/23 13:30	Tue 18/04/23 14:00	7550	B Thuso,L Nakedi,S Tlou
7552			Clear Permit	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	7551	B Thuso,L Nakedi,S Tlou
7553		**29C2GN02**	**# A2 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**14 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 14:30**		
7554			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7555			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7554	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7556			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7555	B Thuso,L Nakedi,S Tlou
7557			Remove Guards For The Drive Chain	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7556	B Thuso,L Nakedi,S Tlou
7558			Open The Bonnets And Front Cover	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7557	B Thuso,L Nakedi,S Tlou
7559			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	7558	B Thuso,L Nakedi,S Tlou
7560			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Mon 17/04/23 13:15	Mon 17/04/23 14:15	7559	B Thuso,L Nakedi,S Tlou
7561			Slack The Chain	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	7560	B Thuso,L Nakedi,S Tlou
7562			Check The Profile Ledges And Replace If Ncessary	1 hr	Mon 17/04/23 14:45	Mon 17/04/23 15:45	7561	B Thuso,L Nakedi,S Tlou
7563			Replace The Tensioning Ledges And Secure	1 hr	Mon 17/04/23 15:45	Mon 17/04/23 16:45	7562	B Thuso,L Nakedi,S Tlou
7564			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:15	7563	B Thuso,L Nakedi,S Tlou
7565			Check Beater Bars For Wear On The Journals	0.5 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:45	7564	B Thuso,L Nakedi,S Tlou
7566			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Mon 17/04/23 17:45	Tue 18/04/23 10:30	7565	B Thuso,L Nakedi,S Tlou
7567			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 18/04/23 10:30	Tue 18/04/23 11:00	7566	B Thuso,L Nakedi,S Tlou
7568			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:30	7567	B Thuso,L Nakedi,S Tlou
7569			Close The Rear Cover	0.5 hrs	Tue 18/04/23 11:30	Tue 18/04/23 12:00	7568	B Thuso,L Nakedi,S Tlou
7570			Close The Front Cover	0.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 13:00	7569	B Thuso,L Nakedi,S Tlou
7571			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:30	7570	B Thuso,L Nakedi,S Tlou
7572			Stop The Screen And Colse All Covers	0.5 hrs	Tue 18/04/23 13:30	Tue 18/04/23 14:00	7571	B Thuso,L Nakedi,S Tlou
7573			Sign Off The Permit	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	7572	B Thuso,L Nakedi,S Tlou
7574			Clear Permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30	7573	B Thuso,L Nakedi,S Tlou
7575		**29C2GN03**	**# A3 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**14 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 14:30**		
7576			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7577			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7576	B Thuso,L Nakedi,S Tlou
7578			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7577	B Thuso,L Nakedi,S Tlou
7579			Remove Guards For The Drive Chain	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7578	B Thuso,L Nakedi,S Tlou
7580			Open The Bonnets And Front Cover	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7579	B Thuso,L Nakedi,S Tlou
7581			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	7580	B Thuso,L Nakedi,S Tlou
7582			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Mon 17/04/23 13:15	Mon 17/04/23 14:15	7581	B Thuso,L Nakedi,S Tlou
7583			Slack The Chain	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	7582	B Thuso,L Nakedi,S Tlou
7584			Check The Profile Ledges And Replace If Ncessary	1 hr	Mon 17/04/23 14:45	Mon 17/04/23 15:45	7583	B Thuso,L Nakedi,S Tlou
7585			Replace The Tensioning Ledges And Secure	1 hr	Mon 17/04/23 15:45	Mon 17/04/23 16:45	7584	B Thuso,L Nakedi,S Tlou
7586			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:15	7585	B Thuso,L Nakedi,S Tlou
7587			Check Beater Bars For Wear On The Journals	0.5 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:45	7586	B Thuso,L Nakedi,S Tlou
7588			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Mon 17/04/23 17:45	Tue 18/04/23 10:30	7587	B Thuso,L Nakedi,S Tlou
7589			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 18/04/23 10:30	Tue 18/04/23 11:00	7588	B Thuso,L Nakedi,S Tlou
7590			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:30	7589	B Thuso,L Nakedi,S Tlou
7591			Close The Rear Cover	0.5 hrs	Tue 18/04/23 11:30	Tue 18/04/23 12:00	7590	B Thuso,L Nakedi,S Tlou
7592			Close The Front Cover	0.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 13:00	7591	B Thuso,L Nakedi,S Tlou
7593			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:30	7592	B Thuso,L Nakedi,S Tlou
7594			Stop The Screen And Colse All Covers	0.5 hrs	Tue 18/04/23 13:30	Tue 18/04/23 14:00	7593	B Thuso,L Nakedi,S Tlou
7595			Sign Off The Permit	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	7594	B Thuso,L Nakedi,S Tlou
7596			Clear Permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30	7595	B Thuso,L Nakedi,S Tlou
7597		**29C2GN04**	**# A4 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**14 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 14:30**		
7598			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7599			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7598	B Thuso,L Nakedi,S Tlou
7600			Carry Out Risk Assesment	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7599	B Thuso,L Nakedi,S Tlou
7601			Remove Guards For The Drive Chain	0.5 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:45	7600	B Thuso,L Nakedi,S Tlou
7602			Open The Bonnets And Front Cover	0.5 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:45	7601	B Thuso,L Nakedi,S Tlou
7603			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:15	7602	B Thuso,L Nakedi,S Tlou
7604			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Mon 17/04/23 13:15	Mon 17/04/23 14:15	7603	B Thuso,L Nakedi,S Tlou
7605			Slack The Chain	0.5 hrs	Mon 17/04/23 14:15	Mon 17/04/23 14:45	7604	B Thuso,L Nakedi,S Tlou
7606			Check The Profile Ledges And Replace If Ncessary	1 hr	Mon 17/04/23 14:45	Mon 17/04/23 15:45	7605	B Thuso,L Nakedi,S Tlou
7607			Replace The Tensioning Ledges And Secure	1 hr	Mon 17/04/23 15:45	Mon 17/04/23 16:45	7606	B Thuso,L Nakedi,S Tlou
7608			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:15	7607	B Thuso,L Nakedi,S Tlou
7609			Check Beater Bars For Wear On The Journals	0.5 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:45	7608	B Thuso,L Nakedi,S Tlou
7610			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Mon 17/04/23 17:45	Tue 18/04/23 10:30	7609	B Thuso,L Nakedi,S Tlou
7611			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 18/04/23 10:30	Tue 18/04/23 11:00	7610	B Thuso,L Nakedi,S Tlou
7612			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Tue 18/04/23 11:00	Tue 18/04/23 11:30	7611	B Thuso,L Nakedi,S Tlou
7613			Close The Rear Cover	0.5 hrs	Tue 18/04/23 11:30	Tue 18/04/23 12:00	7612	B Thuso,L Nakedi,S Tlou
7614			Close The Front Cover	0.5 hrs	Tue 18/04/23 12:30	Tue 18/04/23 13:00	7613	B Thuso,L Nakedi,S Tlou
7615			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 13:30	7614	B Thuso,L Nakedi,S Tlou
7616			Stop The Screen And Colse All Covers	0.5 hrs	Tue 18/04/23 13:30	Tue 18/04/23 14:00	7615	B Thuso,L Nakedi,S Tlou
7617			Sign Off The Permit	0.25 hrs	Tue 18/04/23 14:00	Tue 18/04/23 14:15	7616	B Thuso,L Nakedi,S Tlou
7618			Clear Permit	0.25 hrs	Tue 18/04/23 14:15	Tue 18/04/23 14:30	7617	B Thuso,L Nakedi,S Tlou
7619		**29C2GF07**	**# A1 FINE ROLLER CRUSHER - Overhaul Crusher**	**44.5 hrs**	**Mon 24/04/23 16:45**	**Sat 29/04/23 08:15**	**8851**	
7620			Make Out Permit	0.25 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:00		Operations
7621			Accept Permit	0.25 hrs	Mon 24/04/23 17:00	Mon 24/04/23 17:15	7620	B Thuso,L Nakedi,S Tlou
7622			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 17:15	Mon 24/04/23 17:30	7621	B Thuso,L Nakedi,S Tlou
7623			Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Mon 24/04/23 17:30	Tue 25/04/23 07:30	7622	B Thuso,L Nakedi,S Tlou
7624			Support The Vibrating Feeder With A Chain Block	1 hr	Tue 25/04/23 07:30	Tue 25/04/23 08:30	7623	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7625			Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Tue 25/04/23 08:30	Tue 25/04/23 09:00	7624	B Thuso,L Nakedi,S Tlou
7626			Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Tue 25/04/23 09:00	Tue 25/04/23 09:30	7625	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7627			Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Tue 25/04/23 09:30	Tue 25/04/23 10:00	7626	L Majoo
7628			Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Tue 25/04/23 10:00	Tue 25/04/23 11:00	7627	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7629			Remove The V Belts Guard	0.25 hrs	Tue 25/04/23 11:00	Tue 25/04/23 11:15	7628	B Thuso,L Nakedi,S Tlou
7630			Slack The Motor And Remove The V Belts	0.25 hrs	Tue 25/04/23 11:15	Tue 25/04/23 11:30	7629	B Thuso,L Nakedi,S Tlou
7631			Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Tue 25/04/23 11:30	Tue 25/04/23 13:00	7630	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7632			Lower The Motor To Suitable Position	0.25 hrs	Tue 25/04/23 13:00	Tue 25/04/23 13:15	7631	G Moeseraela,T Moloi
7633			Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Tue 25/04/23 13:15	Tue 25/04/23 13:30	7632	B Thuso,L Nakedi,S Tlou
7634			Remove The Crusher Mounting Bolts	0.5 hrs	Tue 25/04/23 13:30	Tue 25/04/23 14:00	7633	B Thuso,L Nakedi,S Tlou
7635			Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Tue 25/04/23 14:00	Tue 25/04/23 16:00	7634	G Moeseraela,T Moloi
7636			Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:15	7635	B Thuso,L Nakedi,S Tlou
7637			Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Tue 25/04/23 16:15	Wed 26/04/23 07:15	7636	B Thuso,L Nakedi,S Tlou
7638			Remove The Front Panel Of The Wheel Guard	0.25 hrs	Wed 26/04/23 07:15	Wed 26/04/23 07:30	7637	B Thuso,L Nakedi,S Tlou
7639			Pull Out The Gears	2 hrs	Wed 26/04/23 07:30	Wed 26/04/23 09:30	7638	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7640		Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Wed 26/04/23 09:30	Wed 26/04/23 10:00	7639	B Thuso,L Nakedi,S Tlou
7641		Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Wed 26/04/23 10:00	Wed 26/04/23 10:30	7640	B Thuso,L Nakedi,S Tlou
7642		Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working Roll	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45	7641	B Thuso,L Nakedi,S Tlou
7643		Remove The V Belt Pulleys	1 hr	Wed 26/04/23 10:45	Wed 26/04/23 11:45	7642	B Thuso,L Nakedi,S Tlou
7644		Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Wed 26/04/23 11:45	Wed 26/04/23 14:15	7643	B Thuso,L Nakedi,S Tlou
7645		Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Wed 26/04/23 14:15	Wed 26/04/23 14:45	7644	B Thuso,L Nakedi,S Tlou
7646		Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Wed 26/04/23 14:45	Wed 26/04/23 16:45	7645	B Thuso,L Nakedi,S Tlou
7647		Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Wed 26/04/23 16:45	Wed 26/04/23 17:45	7646	B Thuso,L Nakedi,S Tlou
7648		Ensure That The Flutes Are In The Correct Position	0.5 hrs	Wed 26/04/23 17:45	Thu 27/04/23 07:15	7647	B Thuso,L Nakedi,S Tlou
7649		Position The Filling Covers On The Rolls	0.25 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:30	7648	B Thuso,L Nakedi,S Tlou
7650		Install The Sealing Ring	0.25 hrs	Thu 27/04/23 07:30	Thu 27/04/23 07:45	7649	B Thuso,L Nakedi,S Tlou
7651		Inset The Inner Bearing Cover	0.25 hrs	Thu 27/04/23 07:45	Thu 27/04/23 08:00	7650	B Thuso,L Nakedi,S Tlou
7652		Mount Locating Ring	0.25 hrs	Thu 27/04/23 08:00	Thu 27/04/23 08:15	7651	B Thuso,L Nakedi,S Tlou
7653		Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Thu 27/04/23 08:15	Thu 27/04/23 10:15	7652	B Thuso,L Nakedi,S Tlou
7654		Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Thu 27/04/23 10:15	Thu 27/04/23 11:15	7653	B Thuso,L Nakedi,S Tlou
7655		Replace The End Covers And Box	1 hr	Thu 27/04/23 11:15	Thu 27/04/23 12:45	7654	B Thuso,L Nakedi,S Tlou
7656		Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Thu 27/04/23 12:45	Thu 27/04/23 13:45	7655	B Thuso,L Nakedi,S Tlou
7657		Replace The Oil Tank And Secure	1 hr	Thu 27/04/23 13:45	Thu 27/04/23 14:45	7656	B Thuso,L Nakedi,S Tlou
7658		Install Gears And Lock Them	1 hr	Thu 27/04/23 14:45	Thu 27/04/23 15:45	7657	B Thuso,L Nakedi,S Tlou
7659		Close The Resevoir	0.5 hrs	Thu 27/04/23 15:45	Thu 27/04/23 16:15	7658	B Thuso,L Nakedi,S Tlou
7660		Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Thu 27/04/23 16:15	Thu 27/04/23 17:15	7659	B Thuso,L Nakedi,S Tlou
7661		Install Eccentric Shaft	1 hr	Thu 27/04/23 17:15	Fri 28/04/23 07:15	7660	B Thuso,L Nakedi,S Tlou
7662		Replace Adjusting Mechanism	1 hr	Fri 28/04/23 07:15	Fri 28/04/23 08:15	7661	B Thuso,L Nakedi,S Tlou
7663		Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Fri 28/04/23 08:15	Fri 28/04/23 08:45	7662	B Thuso,L Nakedi,S Tlou
7664		Install The Roll Assembly In The Frame	1.5 hrs	Fri 28/04/23 08:45	Fri 28/04/23 10:15	7663	B Thuso,L Nakedi,S Tlou
7665		Install Scraper And Adjust	0.5 hrs	Fri 28/04/23 10:15	Fri 28/04/23 10:45	7664	B Thuso,L Nakedi,S Tlou
7666		Transport To The Plant And Rig In Position And Secure	2.5 hrs	Fri 28/04/23 10:45	Fri 28/04/23 13:45	7665,8836	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7667		Install The Chute And Secure	1 hr	Fri 28/04/23 13:45	Fri 28/04/23 14:45	7666	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7668		Lower The Vibrating Feeder And Secure	0.5 hrs	Fri 28/04/23 14:45	Fri 28/04/23 15:15	7667	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7669		Install The Motor And Align The Pulleys	1 hr	Fri 28/04/23 15:15	Fri 28/04/23 16:15	7668	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7670		Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Fri 28/04/23 16:15	Fri 28/04/23 16:45	7669	B Thuso,L Nakedi,S Tlou
7671		Replace The Guard	0.25 hrs	Fri 28/04/23 16:45	Fri 28/04/23 17:00	7670	B Thuso,L Nakedi,S Tlou
7672		Connect Under Speed Sensors	0.5 hrs	Fri 28/04/23 17:00	Fri 28/04/23 17:30	7671	L Majoo
7673		Box Up The Crusher	0.5 hrs	Fri 28/04/23 17:30	Fri 28/04/23 18:00	7672	B Thuso,L Nakedi,S Tlou
7674		Refill To The Correct Level Gen Gear 680	0.5 hrs	Sat 29/04/23 07:00	Sat 29/04/23 07:30	7673	B Thuso,L Nakedi,S Tlou
7675		Carry House Keeping	0.25 hrs	Sat 29/04/23 07:30	Sat 29/04/23 07:45	7674	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7676			Sign Off The Permit	0.25 hrs	Sat 29/04/23 07:45	Sat 29/04/23 08:00	7675	B Thuso,L Nakedi,S Tlou
7677			Clear Permit	0.25 hrs	Sat 29/04/23 08:00	Sat 29/04/23 08:15	7676	B Thuso,L Nakedi,S Tlou
7678		**29C2GF08**	**# A2 FINE ROLLER CRUSHER - Overhaul Crusher**	**44.5 hrs**	**Tue 25/04/23 16:00**	**Sun 30/04/23 07:30**	**7635**	
7679			Make Out Permit	0.25 hrs	Tue 25/04/23 16:00	Tue 25/04/23 16:15		Operations
7680			Accept Permit	0.25 hrs	Tue 25/04/23 16:15	Tue 25/04/23 16:30	7679	B Thuso,L Nakedi,S Tlou
7681			Carry Out Risk Assesment	0.25 hrs	Tue 25/04/23 16:30	Tue 25/04/23 16:45	7680	B Thuso,L Nakedi,S Tlou
7682			Loosen And Remove The Vibrating Feeder Rubber Bellows	1 hr	Tue 25/04/23 16:45	Tue 25/04/23 17:45	7681	B Thuso,L Nakedi,S Tlou
7683			Support The Vibrating Feeder With A Chain Block	1 hr	Tue 25/04/23 17:45	Wed 26/04/23 07:45	7682	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7684			Loosen And Remove The Mounting Bolts For The Feeder	0.5 hrs	Wed 26/04/23 07:45	Wed 26/04/23 08:15	7683	B Thuso,L Nakedi,S Tlou
7685			Lift A Vibrating Feeder To Create Clearance Between The Feeder And The Chute	0.5 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:45	7684	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7686			Disconnect Underspeed Sensors And Proximity Switches	0.5 hrs	Wed 26/04/23 08:45	Wed 26/04/23 09:15	7685	L Majoo
7687			Remove The Mounting Bolts For The Chute And Rig It Out.	1 hr	Wed 26/04/23 09:15	Wed 26/04/23 10:15	7686	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7688			Remove The V Belts Guard	0.25 hrs	Wed 26/04/23 10:15	Wed 26/04/23 10:30	7687	B Thuso,L Nakedi,S Tlou
7689			Slack The Motor And Remove The V Belts	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45	7688	B Thuso,L Nakedi,S Tlou
7690			Support The Motor With A Chain Block And Remove The Motor Mounting Bolts	1 hr	Wed 26/04/23 10:45	Wed 26/04/23 11:45	7689	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7691			Lower The Motor To Suitable Position	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	7690	G Moeseraela,T Moloi
7692			Isolate Air To The Cylinder And Disconnect The Pipes	0.25 hrs	Wed 26/04/23 12:30	Wed 26/04/23 12:45	7691	B Thuso,L Nakedi,S Tlou
7693			Remove The Crusher Mounting Bolts	0.5 hrs	Wed 26/04/23 12:45	Wed 26/04/23 13:15	7692	B Thuso,L Nakedi,S Tlou
7694			Rig Out The Crusher Then Take It The Washing Bay,Clean And Transport To The Workshop	2 hrs	Wed 26/04/23 13:15	Wed 26/04/23 15:15	7693	G Moeseraela,T Moloi
7695			Prepare A Work Bench For Carrying Out Overhaul	0.25 hrs	Wed 26/04/23 15:15	Wed 26/04/23 15:30	7694	B Thuso,L Nakedi,S Tlou
7696			Remove The Roll Pack From The Frame And Drain Oil	2 hrs	Wed 26/04/23 15:30	Wed 26/04/23 17:30	7695	B Thuso,L Nakedi,S Tlou
7697			Remove The Front Panel Of The Wheel Guard	0.25 hrs	Wed 26/04/23 17:30	Wed 26/04/23 17:45	7696	B Thuso,L Nakedi,S Tlou
7698			Pull Out The Gears	2 hrs	Wed 26/04/23 17:45	Thu 27/04/23 08:45	7697	B Thuso,L Nakedi,S Tlou
7699			Remove The Clamping Strip From The Bellow On The Loose Roll	0.5 hrs	Thu 27/04/23 08:45	Thu 27/04/23 09:15	7698	B Thuso,L Nakedi,S Tlou
7700			Loosen The Nuts Of The Wheel Guard Support Bolts	0.5 hrs	Thu 27/04/23 09:15	Thu 27/04/23 09:45	7699	B Thuso,L Nakedi,S Tlou
7701			Carefully Withdraw The Wheel Guard From The Shaft Of The Of The Working Roll	0.25 hrs	Thu 27/04/23 09:45	Thu 27/04/23 10:00	7700	B Thuso,L Nakedi,S Tlou
7702			Remove The V Belt Pulleys	1 hr	Thu 27/04/23 10:00	Thu 27/04/23 11:00	7701	B Thuso,L Nakedi,S Tlou
7703			Remove The Bearings Using The Detaching Device And Hydraulic Pump(4Off)	2 hrs	Thu 27/04/23 11:00	Thu 27/04/23 13:30	7702	B Thuso,L Nakedi,S Tlou
7704			Loosen The Disc From The Accentric Shaft On The Side Opposite The Compressed Air Cylinder And Withdraw The Pull Strap With Adjustingshafts From The Eccentric Shaft	0.5 hrs	Thu 27/04/23 13:30	Thu 27/04/23 14:00	7703	B Thuso,L Nakedi,S Tlou
7705			Remove Sideways The Bearing Casing,Inner Bearing Cover,Sealing Ring And Filling Sheets	2 hrs	Thu 27/04/23 14:00	Thu 27/04/23 16:00	7704	B Thuso,L Nakedi,S Tlou
7706			Clean All The Components And Inspect,Then Replace If Necessary	1 hr	Thu 27/04/23 16:00	Thu 27/04/23 17:00	7705	B Thuso,L Nakedi,S Tlou
7707			Ensure That The Flutes Are In The Correct Position	0.5 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:30	7706	B Thuso,L Nakedi,S Tlou
7708			Position The Filling Covers On The Rolls	0.25 hrs	Thu 27/04/23 17:30	Thu 27/04/23 17:45	7707	B Thuso,L Nakedi,S Tlou
7709			Install The Sealing Ring	0.25 hrs	Thu 27/04/23 17:45	Thu 27/04/23 18:00	7708	B Thuso,L Nakedi,S Tlou
7710			Inset The Inner Bearing Cover	0.25 hrs	Fri 28/04/23 07:00	Fri 28/04/23 07:15	7709	B Thuso,L Nakedi,S Tlou
7711			Mount Locating Ring	0.25 hrs	Fri 28/04/23 07:15	Fri 28/04/23 07:30	7710	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7712			Install Bearings Both Sides And Set Clearance Between 0.03-0.05 On The Drive Side And Lock Nut(4 0Ff)	2 hrs	Fri 28/04/23 07:30	Fri 28/04/23 09:30	7711	B Thuso,L Nakedi,S Tlou
7713			Replace Bearing Housing Ensuring That Grease Points Are Inline	1 hr	Fri 28/04/23 09:30	Fri 28/04/23 10:30	7712	B Thuso,L Nakedi,S Tlou
7714			Replace The End Covers And Box	1 hr	Fri 28/04/23 10:30	Fri 28/04/23 11:30	7713	B Thuso,L Nakedi,S Tlou
7715			Replace O Ring In The Sleeves And Slide Sleeves On The Shaft	1 hr	Fri 28/04/23 11:30	Fri 28/04/23 13:00	7714	B Thuso,L Nakedi,S Tlou
7716			Replace The Oil Tank And Secure	1 hr	Fri 28/04/23 13:00	Fri 28/04/23 14:00	7715	B Thuso,L Nakedi,S Tlou
7717			Install Gears And Lock Them	1 hr	Fri 28/04/23 14:00	Fri 28/04/23 15:00	7716	B Thuso,L Nakedi,S Tlou
7718			Close The Resevoir	0.5 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:30	7717	B Thuso,L Nakedi,S Tlou
7719			Replace The Drive Pulley And Lock It,Then Install The Underspeed Actuator	1 hr	Fri 28/04/23 15:30	Fri 28/04/23 16:30	7718	B Thuso,L Nakedi,S Tlou
7720			Install Eccentric Shaft	1 hr	Fri 28/04/23 16:30	Fri 28/04/23 17:30	7719	B Thuso,L Nakedi,S Tlou
7721			Replace Adjusting Mechanism	1 hr	Fri 28/04/23 17:30	Sat 29/04/23 07:30	7720	B Thuso,L Nakedi,S Tlou
7722			Install Pneumatic Cylinder And Set The Crusher Gap When The Cylinder Is In A Retracted Position	0.5 hrs	Sat 29/04/23 07:30	Sat 29/04/23 08:00	7721	B Thuso,L Nakedi,S Tlou
7723			Install The Roll Assembly In The Frame	1.5 hrs	Sat 29/04/23 08:00	Sat 29/04/23 09:30	7722	B Thuso,L Nakedi,S Tlou
7724			Install Scraper And Adjust	0.5 hrs	Sat 29/04/23 09:30	Sat 29/04/23 10:00	7723	B Thuso,L Nakedi,S Tlou
7725			Transport To The Plant And Rig In Position And Secure	2.5 hrs	Sat 29/04/23 10:00	Sat 29/04/23 13:00	7619,7724	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7726			Install The Chute And Secure	1 hr	Sat 29/04/23 13:00	Sat 29/04/23 14:00	7725	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7727			Lower The Vibrating Feeder And Secure	0.5 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:30	7726	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7728			Install The Motor And Align The Pulleys	1 hr	Sat 29/04/23 14:30	Sat 29/04/23 15:30	7727	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7729			Replace V Belts Spb 16Nx2530 Tension To The Correct Force And Deflection(5 Off)	0.5 hrs	Sat 29/04/23 15:30	Sat 29/04/23 16:00	7728	B Thuso,L Nakedi,S Tlou
7730			Replace The Guard	0.25 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:15	7729	B Thuso,L Nakedi,S Tlou
7731			Connect Under Speed Sensors	0.5 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:45	7730	L Majoo
7732			Box Up The Crusher	0.5 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:15	7731	B Thuso,L Nakedi,S Tlou
7733			Refill To The Correct Level Gen Gear 680	0.5 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:45	7732	B Thuso,L Nakedi,S Tlou
7734			Carry House Keeping	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	7733	B Thuso,L Nakedi,S Tlou
7735			Sign Off The Permit	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	7734	B Thuso,L Nakedi,S Tlou
7736			Clear Permit	0.25 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:30	7735	B Thuso,L Nakedi,S Tlou
7737		**29C2RF04**	**# A4 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Fri 05/05/23 15:00**	**Sun 07/05/23 08:00**	**7231**	
7738			Make Out Permit	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15		Operations
7739			Accept Permit	0.25 hrs	Fri 05/05/23 15:15	Fri 05/05/23 15:30	7738	B Thuso,L Nakedi,S Tlou
7740			Carry Out Risk Assesment	0.25 hrs	Fri 05/05/23 15:30	Fri 05/05/23 15:45	7739	B Thuso,L Nakedi,S Tlou
7741			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	7740	B Thuso,L Nakedi,S Tlou
7742			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Fri 05/05/23 16:15	Fri 05/05/23 16:45	7741	B Thuso,L Nakedi,S Tlou
7743			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:15	7742	B Thuso,L Nakedi,S Tlou
7744			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30	7743	B Thuso,L Nakedi,S Tlou
7745			Slack The Chain	0.5 hrs	Fri 05/05/23 17:30	Fri 05/05/23 18:00	7744	B Thuso,L Nakedi,S Tlou
7746			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:30	7745	B Thuso,L Nakedi,S Tlou
7747			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	7746	B Thuso,L Nakedi,S Tlou
7748			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:30	7747	B Thuso,L Nakedi,S Tlou
7749			Tension The Drag Chain	0.5 hrs	Sat 06/05/23 08:30	Sat 06/05/23 09:00	7748	B Thuso,L Nakedi,S Tlou
7750			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 12:45	7749	B Thuso,L Nakedi,S Tlou

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7751		Apply Sealant And Close The Top Covers	1 hr	Sat 06/05/23 12:45	Sat 06/05/23 13:45	7750	B Thuso,L Nakedi,S Tlou
7752		Open Plummer Blocks And Clean Old Grease	1 hr	Sat 06/05/23 13:45	Sat 06/05/23 14:45	7751	B Thuso,L Nakedi,S Tlou
7753		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sat 06/05/23 14:45	Sat 06/05/23 15:45	7752	B Thuso,L Nakedi,S Tlou
7754		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 06/05/23 15:45	Sat 06/05/23 16:15	7753	B Thuso,L Nakedi,S Tlou
7755		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sat 06/05/23 16:15	Sat 06/05/23 17:15	7754	B Thuso,L Nakedi,S Tlou
7756		Tension To The Correct Force And Deflection	0.5 hrs	Sat 06/05/23 17:15	Sat 06/05/23 17:45	7755	B Thuso,L Nakedi,S Tlou
7757		Replace Guard And Secure	0.5 hrs	Sat 06/05/23 17:45	Sun 07/05/23 07:15	7756	B Thuso,L Nakedi,S Tlou
7758		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	7757	B Thuso,L Nakedi,S Tlou
7759		Sign Off The Permit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	7758	B Thuso,L Nakedi,S Tlou
7760		Clear Permit	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	7759	Operations
7761	**29C2RF05**	**# A5 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Sun 07/05/23 08:00**	**Mon 08/05/23 12:00**	**7737**	
7762		Make Out Permit	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15		Operations
7763		Accept Permit	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	7762	B Thuso,L Nakedi,S Tlou
7764		Carry Out Risk Assesment	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	7763	B Thuso,L Nakedi,S Tlou
7765		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:15	7764	B Thuso,L Nakedi,S Tlou
7766		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:45	7765	B Thuso,L Nakedi,S Tlou
7767		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:15	7766	B Thuso,L Nakedi,S Tlou
7768		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	7767	B Thuso,L Nakedi,S Tlou
7769		Slack The Chain	0.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 11:00	7768	B Thuso,L Nakedi,S Tlou
7770		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:30	7769	B Thuso,L Nakedi,S Tlou
7771		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sun 07/05/23 11:30	Sun 07/05/23 12:00	7770	B Thuso,L Nakedi,S Tlou
7772		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sun 07/05/23 12:30	Sun 07/05/23 13:00	7771	B Thuso,L Nakedi,S Tlou
7773		Tension The Drag Chain	0.5 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:30	7772	B Thuso,L Nakedi,S Tlou
7774		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 16:45	7773	B Thuso,L Nakedi,S Tlou
7775		Apply Sealant And Close The Top Covers	1 hr	Sun 07/05/23 16:45	Sun 07/05/23 17:45	7774	B Thuso,L Nakedi,S Tlou
7776		Open Plummer Blocks And Clean Old Grease	1 hr	Sun 07/05/23 17:45	Mon 08/05/23 07:45	7775	B Thuso,L Nakedi,S Tlou
7777		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Mon 08/05/23 07:45	Mon 08/05/23 08:45	7776	B Thuso,L Nakedi,S Tlou
7778		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 08/05/23 08:45	Mon 08/05/23 09:15	7777	B Thuso,L Nakedi,S Tlou
7779		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Mon 08/05/23 09:15	Mon 08/05/23 10:15	7778	B Thuso,L Nakedi,S Tlou
7780		Tension To The Correct Force And Deflection	0.5 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:45	7779	B Thuso,L Nakedi,S Tlou
7781		Replace Guard And Secure	0.5 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:15	7780	B Thuso,L Nakedi,S Tlou
7782		Carry Out Housekeeping	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	7781	B Thuso,L Nakedi,S Tlou
7783		Sign Off The Permit	0.25 hrs	Mon 08/05/23 11:30	Mon 08/05/23 11:45	7782	B Thuso,L Nakedi,S Tlou
7784		Clear Permit	0.25 hrs	Mon 08/05/23 11:45	Mon 08/05/23 12:00	7783	Operations
7785	**29C2RE01**	**# A1 BELT CONVEYOR - Carry out inspections**	**8 hrs**	**Mon 08/05/23 12:00**	**Tue 09/05/23 09:30**	**7761**	
7786		Make Out Permit	0.25 hrs	Mon 08/05/23 12:00	Mon 08/05/23 12:15		Operations
7787		Accept Permit	0.25 hrs	Mon 08/05/23 12:30	Mon 08/05/23 12:45	7786	B Thuso,L Nakedi,S Tlou
7788		Carry Out Risk Assesment	0.25 hrs	Mon 08/05/23 12:45	Mon 08/05/23 13:00	7787	B Thuso,L Nakedi,S Tlou
7789		Replace All Defective Idlers	1 hr	Mon 08/05/23 13:00	Mon 08/05/23 14:00	7788	B Thuso,L Nakedi,S Tlou
7790		Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Mon 08/05/23 14:00	Mon 08/05/23 16:00	7789	B Thuso,L Nakedi,S Tlou
7791		Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Mon 08/05/23 16:00	Mon 08/05/23 16:30	7790	B Thuso,L Nakedi,S Tlou
7792		Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Mon 08/05/23 16:30	Mon 08/05/23 17:00	7791	B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7793			Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Mon 08/05/23 17:00	Mon 08/05/23 17:30	7792	B Thuso,L Nakedi,S Tlou
7794			Clear The Permit And Obtain Test Run Permit	1 hr	Mon 08/05/23 17:30	Tue 09/05/23 07:15	7793	Operations,B Thuso,L Nakedi,S Tlou
7795			Run The Conveyor And Track It	1 hr	Tue 09/05/23 07:15	Tue 09/05/23 08:15	7794	Operations,B Thuso,L Nakedi,S Tlou
7796			Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30	7795	B Thuso,L Nakedi,S Tlou
7797			Obtain A Permit To Work And Replace Guards	0.5 hrs	Tue 09/05/23 08:30	Tue 09/05/23 09:00	7796	Operations,B Thuso,L Nakedi,S Tlou
7798			Carry Out Housekeeping	0.25 hrs	Tue 09/05/23 09:00	Tue 09/05/23 09:15	7797	B Thuso,L Nakedi,S Tlou
7799			Clear Permit	0.25 hrs	Tue 09/05/23 09:15	Tue 09/05/23 09:30	7798	Operations
7800		**29C2RE02**	**# A2 BELT CONVEYOR - Replace And Perform Hot Splice**	**16.25 hrs**	**Tue 09/05/23 09:30**	**Wed 10/05/23 15:45**	**7785**	
7801			Make Out Permit	0.25 hrs	Tue 09/05/23 09:30	Tue 09/05/23 09:45		Operations
7802			Accept Permit	0.25 hrs	Tue 09/05/23 09:45	Tue 09/05/23 10:00	7801	B Thuso,L Nakedi,S Tlou
7803			Carry Out Risk Assesment	0.25 hrs	Tue 09/05/23 10:00	Tue 09/05/23 10:15	7802	B Thuso,L Nakedi,S Tlou
7804			Remove The Guards	0.5 hrs	Tue 09/05/23 10:15	Tue 09/05/23 10:45	7803	B Thuso,L Nakedi,S Tlou
7805			Slack The Conveyor Until The Slack Is Complete	0.5 hrs	Tue 09/05/23 10:45	Tue 09/05/23 11:15	7804	B Thuso,L Nakedi,S Tlou
7806			Cut The Old Conveyor And Join One End To The New Conveyor(Ensure The Position Of The Conveyor Is Correct)	0.5 hrs	Tue 09/05/23 11:15	Tue 09/05/23 11:45	7805	B Thuso,L Nakedi,S Tlou
7807			Pull Out The Old Conveyor To Install The New Conveyor During The Process Until The Correct Length Has Been Installed	1 hr	Tue 09/05/23 11:45	Tue 09/05/23 13:15	7806	B Thuso,L Nakedi,S Tlou,G Moeseraela,T Moloi
7808			Remove The Fasteners And Roll The Old Conveyor Nicely.	0.5 hrs	Tue 09/05/23 13:15	Tue 09/05/23 13:45	7807	B Thuso,L Nakedi,S Tlou
7809			Remove Idler Frames To Position The Splicing Machine	0.5 hrs	Tue 09/05/23 13:45	Tue 09/05/23 14:15	7808	B Thuso,L Nakedi,S Tlou
7810			Replace All Defective Idlers	1 hr	Tue 09/05/23 14:15	Tue 09/05/23 15:15	7809	B Thuso,L Nakedi,S Tlou
7811			Perform Hot Splicing	3 hrs	Tue 09/05/23 15:15	Wed 10/05/23 07:15	7810	GoodYear
7812			Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Wed 10/05/23 07:15	Wed 10/05/23 09:15	7811	B Thuso,L Nakedi,S Tlou
7813			Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Wed 10/05/23 09:15	Wed 10/05/23 09:45	7812	B Thuso,L Nakedi,S Tlou
7814			Replace Idler Frames After Splicing Is Done	0.5 hrs	Wed 10/05/23 09:45	Wed 10/05/23 10:15	7813	B Thuso,L Nakedi,S Tlou
7815			Tension The Conveyor	0.5 hrs	Wed 10/05/23 10:15	Wed 10/05/23 10:45	7814	B Thuso,L Nakedi,S Tlou
7816			Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Wed 10/05/23 10:45	Wed 10/05/23 11:15	7815	B Thuso,L Nakedi,S Tlou
7817			Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Wed 10/05/23 11:15	Wed 10/05/23 11:45	7816	B Thuso,L Nakedi,S Tlou
7818			Clear The Permit And Obtain Test Run Permit	1.25 hrs	Wed 10/05/23 11:45	Wed 10/05/23 13:00	7817	Operations,B Thuso,L Nakedi,S Tlou
7819			Run The Conveyor And Track It	1.5 hrs	Wed 10/05/23 13:00	Wed 10/05/23 14:30	7818	Operations,B Thuso,L Nakedi,S Tlou
7820			Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Wed 10/05/23 14:30	Wed 10/05/23 14:45	7819	B Thuso,L Nakedi,S Tlou
7821			Obtain A Permit To Work And Replace Guards	0.5 hrs	Wed 10/05/23 14:45	Wed 10/05/23 15:15	7820	Operations,B Thuso,L Nakedi,S Tlou
7822			Carry Out Housekeeping	0.25 hrs	Wed 10/05/23 15:15	Wed 10/05/23 15:30	7821	B Thuso,L Nakedi,S Tlou
7823			Clear Permit	0.25 hrs	Wed 10/05/23 15:30	Wed 10/05/23 15:45	7822	Operations
7824		**29C2GF16**	**CRUSHER - Modify all crusher frames covers & guards**	**141 hrs**	**Mon 17/04/23 10:30**	**Sun 30/04/23 15:30**		
7825			Fabricate Flanges Prior	96 hrs	Mon 17/04/23 10:30	Wed 26/04/23 12:00		M Ramatlhakeng,S Monna
7826			Risk assessment	3 hrs	Wed 26/04/23 12:30	Wed 26/04/23 15:30	7825	M Ramatlhakeng,S Monna
7827			Cut frame	12 hrs	Wed 26/04/23 15:30	Thu 27/04/23 17:00	7826	M Ramatlhakeng,S Monna
7828			Align flanges and tack weld in position	9 hrs	Thu 27/04/23 17:00	Fri 28/04/23 15:30	7827	M Ramatlhakeng,S Monna
7829			Weld flanges	18 hrs	Fri 28/04/23 15:30	Sun 30/04/23 12:00	7828	Weld (Ash)
7830			Clean weld areas	3 hrs	Sun 30/04/23 12:30	Sun 30/04/23 15:30	7829	Weld (Ash)
7831			**PLANT STRUCTURE - Replace Louvers**	**8.75 hrs**	**Mon 17/04/23 10:30**	**Tue 18/04/23 08:45**		
7832			Make Out Permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7833			Accept Permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7832	Civil
7834			Install Louvers	8 hrs	Mon 17/04/23 11:00	Tue 18/04/23 08:30	7833	Civil,M-Crane 30Ton,G Moeseraela,T Moloi

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7835			Clear Permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45	7834	Civil
7836			**ELECTRICAL**	**235.25 hrs**	**Mon 17/04/23 10:30**	**Tue 09/05/23 15:15**	**6703**	
7837		**29C2GK01I**	**A FEED HOPPER STIRRER EAST - Carry out maintenance on Ash Electrical components**	**8.75 hrs**	**Sun 07/05/23 13:00**	**Mon 08/05/23 10:45**	**10085**	
7838			Make out permit	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15		Operations
7839			Accept permit	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	7838	L Majoo,P Matebele
7840			Carry out electrical isolation	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	7839	L Majoo,P Matebele
7841			Disconnect motor	1.5 hrs	Sun 07/05/23 13:45	Sun 07/05/23 15:15	7840	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7842			Send motor for painting	1.5 hrs	Sun 07/05/23 15:15	Sun 07/05/23 16:45	7841	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7843			Check loose connections inside the panel	0.25 hrs	Sun 07/05/23 16:45	Sun 07/05/23 17:00	7842	L Majoo,P Matebele
7844			Service panel components, VSD & Clear dust	0.25 hrs	Sun 07/05/23 17:00	Sun 07/05/23 17:15	7843	L Majoo,P Matebele
7845			Service Field Isolator	0.5 hrs	Sun 07/05/23 17:15	Sun 07/05/23 17:45	7844	L Majoo,P Matebele
7846			Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Sun 07/05/23 17:45	Mon 08/05/23 07:15	7845	L Majoo,P Matebele
7847			Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 08/05/23 07:15	Mon 08/05/23 07:30	7846	L Majoo,P Matebele
7848			Install and connect motor	2 hrs	Mon 08/05/23 07:30	Mon 08/05/23 09:30	7847	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7849			Tighten Motor connections & Gland intergrity	0.5 hrs	Mon 08/05/23 09:30	Mon 08/05/23 10:00	7848	L Majoo,P Matebele
7850			Seal for Moisture and dust.	0.25 hrs	Mon 08/05/23 10:00	Mon 08/05/23 10:15	7849	L Majoo,P Matebele
7851			Confirm correct protection settings	0.25 hrs	Mon 08/05/23 10:15	Mon 08/05/23 10:30	7850	L Majoo,P Matebele
7852			Clear permit	0.25 hrs	Mon 08/05/23 10:30	Mon 08/05/23 10:45	7851	L Majoo,P Matebele
7853		**29C2GK01I**	**A FEED HOPPER STIRRER WEST - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Mon 08/05/23 10:45**	**Tue 09/05/23 07:45**	**7837**	
7854			Make out permit	0.25 hrs	Mon 08/05/23 10:45	Mon 08/05/23 11:00		Operations
7855			Accept permit	0.25 hrs	Mon 08/05/23 11:00	Mon 08/05/23 11:15	7854	L Majoo,P Matebele
7856			Carry out electrical isolation	0.25 hrs	Mon 08/05/23 11:15	Mon 08/05/23 11:30	7855	L Majoo,P Matebele
7857			Disconnect and remove motor and send for repairs	2 hrs	Mon 08/05/23 11:30	Mon 08/05/23 14:00	7856	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7858			Check loose connections inside the panel	0.25 hrs	Mon 08/05/23 14:00	Mon 08/05/23 14:15	7857	L Majoo,P Matebele
7859			Service panel components, VSD & Clear dust	0.25 hrs	Mon 08/05/23 14:15	Mon 08/05/23 14:30	7858	L Majoo,P Matebele
7860			Service Field Isolator	0.5 hrs	Mon 08/05/23 14:30	Mon 08/05/23 15:00	7859	L Majoo,P Matebele
7861			Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Mon 08/05/23 15:00	Mon 08/05/23 15:30	7860	L Majoo,P Matebele
7862			Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 08/05/23 15:30	Mon 08/05/23 15:45	7861	L Majoo,P Matebele
7863			Install and connect motor	2 hrs	Mon 08/05/23 15:45	Mon 08/05/23 17:45	7862	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7864			Tighten Motor connections & Gland intergrity	0.5 hrs	Mon 08/05/23 17:45	Tue 09/05/23 07:15	7863	L Majoo,P Matebele
7865			Seal for Moisture and dust.	0.25 hrs	Tue 09/05/23 07:15	Tue 09/05/23 07:30	7864	L Majoo,P Matebele
7866			Clear permit	0.25 hrs	Tue 09/05/23 07:30	Tue 09/05/23 07:45	7865	L Majoo,P Matebele
7867		**29C2RL01**	**A SCREW FEEDER - Reinstate DCS Amp Reading Carry out maintenance on Ash Electrical components**	**7 hrs**	**Tue 09/05/23 07:45**	**Tue 09/05/23 15:15**	**7853**	
7868			Make out permit	0.25 hrs	Tue 09/05/23 07:45	Tue 09/05/23 08:00		Operations
7869			Accept permit	0.25 hrs	Tue 09/05/23 08:00	Tue 09/05/23 08:15	7868	L Majoo,P Matebele
7870			Carry out electrical isolation	0.25 hrs	Tue 09/05/23 08:15	Tue 09/05/23 08:30	7869	L Majoo,P Matebele
7871			Disconnect and remove motor and send for repairs	2 hrs	Tue 09/05/23 08:30	Tue 09/05/23 10:30	7870	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7872			Source Milliamps to confirm Transducer life	0.5 hrs	Tue 09/05/23 10:30	Tue 09/05/23 11:00	7871	Inst (Ash),L Majoo,P Matebele
7873			Replace Transducer if necessary.	0.5 hrs	Tue 09/05/23 11:00	Tue 09/05/23 11:30	7872	L Majoo,P Matebele
7874			Engage Inst(Ash)ument Mech if sourcing fails.	1 hr	Tue 09/05/23 11:30	Tue 09/05/23 13:00	7873	L Majoo,P Matebele
7875			Install and connect motor	2 hrs	Tue 09/05/23 13:00	Tue 09/05/23 15:00	7874	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7876			Clear permit	0.25 hrs	Tue 09/05/23 15:00	Tue 09/05/23 15:15	7875	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7877		**29C2RP01**	**A1 BUCKET ELEVATOR - Carry out maintenance on Ash Electrical components**	**5.75 hrs**	**Mon 17/04/23 10:30**	**Mon 17/04/23 16:45**		
7878			Make out permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
7879			Accept permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	7878	L Majoo,P Matebele
7880			Carry out electrical isolation	0.25 hrs	Mon 17/04/23 11:00	Mon 17/04/23 11:15	7879	L Majoo,P Matebele
7881			Check loose connections in the panel	0.25 hrs	Mon 17/04/23 11:15	Mon 17/04/23 11:30	7880	L Majoo,P Matebele
7882			Service panel components & Clear dust	0.25 hrs	Mon 17/04/23 11:30	Mon 17/04/23 11:45	7881	L Majoo,P Matebele
7883			Service Field isolator	0.25 hrs	Mon 17/04/23 11:45	Mon 17/04/23 12:00	7882	L Majoo,P Matebele
7884			Check underspeed sensor cable & circuit operation	0.25 hrs	Mon 17/04/23 12:30	Mon 17/04/23 12:45	7883	L Majoo,P Matebele
7885			Clear product build-up between Sensor & Actuators	0.25 hrs	Mon 17/04/23 12:45	Mon 17/04/23 13:00	7884	L Majoo,P Matebele
7886			Service safe start circuit	0.25 hrs	Mon 17/04/23 13:00	Mon 17/04/23 13:15	7885	L Majoo,P Matebele
7887			Disconnect start-up siren	0.5 hrs	Mon 17/04/23 13:15	Mon 17/04/23 13:45	7886	L Majoo,P Matebele
7888			Remove siren	0.75 hrs	Mon 17/04/23 13:45	Mon 17/04/23 14:30	7887	L Majoo,P Matebele
7889			Install new siren	0.75 hrs	Mon 17/04/23 14:30	Mon 17/04/23 15:15	7888	L Majoo,P Matebele
7890			Connect siren	0.5 hrs	Mon 17/04/23 15:15	Mon 17/04/23 15:45	7889	L Majoo,P Matebele
7891			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 17/04/23 15:45	Mon 17/04/23 16:00	7890	L Majoo,P Matebele
7892			Seal for Moisture and dust.	0.25 hrs	Mon 17/04/23 16:00	Mon 17/04/23 16:15	7891	L Majoo,P Matebele
7893			Confirm correct protection settings	0.25 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:30	7892	L Majoo,P Matebele
7894			Clear permit	0.25 hrs	Mon 17/04/23 16:30	Mon 17/04/23 16:45	7893	L Majoo,P Matebele
7895		**29C2RP02**	**A2 BUCKET ELEVATOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Mon 17/04/23 16:45**	**Tue 18/04/23 09:00**	**7877**	
7896			Make out permit	0.25 hrs	Mon 17/04/23 16:45	Mon 17/04/23 17:00		Operations
7897			Accept permit	0.25 hrs	Mon 17/04/23 17:00	Mon 17/04/23 17:15	7896	L Majoo,P Matebele
7898			Carry out electrical isolation	0.25 hrs	Mon 17/04/23 17:15	Mon 17/04/23 17:30	7897	L Majoo,P Matebele
7899			Check loose connections in the panel	0.25 hrs	Mon 17/04/23 17:30	Mon 17/04/23 17:45	7898	L Majoo,P Matebele
7900			Service panel components & Clear dust	0.25 hrs	Mon 17/04/23 17:45	Mon 17/04/23 18:00	7899	L Majoo,P Matebele
7901			Service Field isolator	0.25 hrs	Tue 18/04/23 07:00	Tue 18/04/23 07:15	7900	L Majoo,P Matebele
7902			Check underspeed sensor cable & circuit operation	0.25 hrs	Tue 18/04/23 07:15	Tue 18/04/23 07:30	7901	L Majoo,P Matebele
7903			Clear product build-up between Sensor & Actuators	0.25 hrs	Tue 18/04/23 07:30	Tue 18/04/23 07:45	7902	L Majoo,P Matebele
7904			Service safe start circuit	0.25 hrs	Tue 18/04/23 07:45	Tue 18/04/23 08:00	7903	L Majoo,P Matebele
7905			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 18/04/23 08:00	Tue 18/04/23 08:15	7904	L Majoo,P Matebele
7906			Seal for Moisture and dust.	0.25 hrs	Tue 18/04/23 08:15	Tue 18/04/23 08:30	7905	L Majoo,P Matebele
7907			Confirm correct protection settings	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45	7906	L Majoo,P Matebele
7908			Clear permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	7907	L Majoo,P Matebele
7909		**29C2GP01**	**A COMPACTOR - Carry out maintenance**	**18.5 hrs**	**Tue 18/04/23 09:00**	**Wed 19/04/23 17:30**	**7895**	
7910			Make out permit	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15		Operations
7911			Accept permit	0.25 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:30	7910	L Majoo,P Matebele
7912			Prepare clearance certificate	0.25 hrs	Tue 18/04/23 09:30	Tue 18/04/23 09:45	7911	L Majoo,P Matebele
7913			Carry out electrical isolation	0.25 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:00	7912	L Majoo,P Matebele
7914			Disconnect motor	2 hrs	Tue 18/04/23 10:00	Tue 18/04/23 12:00	7913	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7915			Paint motor	4 hrs	Tue 18/04/23 12:30	Tue 18/04/23 16:30	7914	Painter 1
7916			Curing time	4 hrs	Tue 18/04/23 16:30	Wed 19/04/23 09:30	7915	
7917			Check panel HV terminals for arcing & overheating	0.25 hrs	Wed 19/04/23 09:30	Wed 19/04/23 09:45	7916	L Majoo,P Matebele
7918			Check Breaker spouse looseness & arcing	0.25 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:00	7917	L Majoo,P Matebele
7919			Service Stop/Start	0.25 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:15	7918	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7920			Check underspeed sensor intergrity	0.25 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:30	7919	L Majoo,P Matebele
7921			Service underspeed control panel	0.5 hrs	Wed 19/04/23 10:30	Wed 19/04/23 11:00	7920	L Majoo,P Matebele
7922			Inspect Motor terminal box interior & Gland intergrity	0.5 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:30	7921	L Majoo,P Matebele
7923			Clear product off Motor (possibly wash with water)	1 hr	Wed 19/04/23 11:30	Wed 19/04/23 13:00	7922	L Majoo,P Matebele
7924			Service Compactor Lubrication & Hydraulic units	2 hrs	Wed 19/04/23 13:00	Wed 19/04/23 15:00	7923	L Majoo,P Matebele
7925			Install motor	1 hr	Wed 19/04/23 15:00	Wed 19/04/23 16:00	7924	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7926			Connect motor	1 hr	Wed 19/04/23 16:00	Wed 19/04/23 17:00	7925	L Majoo,P Matebele
7927			Seal for Moisture and dust.	0.25 hrs	Wed 19/04/23 17:00	Wed 19/04/23 17:15	7926	L Majoo,P Matebele
7928			Clear permit	0.25 hrs	Wed 19/04/23 17:15	Wed 19/04/23 17:30	7927	L Majoo,P Matebele
7929		**29C2GU01A**	**A COMPACTOR HYDRUALIC OIL PUMP A & B- Carry out maintenance on electrical components**	**3.5 hrs**	**Wed 19/04/23 17:30**	**Thu 20/04/23 10:00**	**7909**	
7930			Make out permit	0.25 hrs	Wed 19/04/23 17:30	Wed 19/04/23 17:45		L Majoo,P Matebele
7931			Accept permit	0.25 hrs	Wed 19/04/23 17:45	Wed 19/04/23 18:00	7930	L Majoo,P Matebele
7932			Carry out electrical isolation	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	7931	L Majoo,P Matebele
7933			Check loose connections in the panel	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	7932	L Majoo,P Matebele
7934			Check Contactor contacts connetions	0.25 hrs	Thu 20/04/23 07:30	Thu 20/04/23 07:45	7933	L Majoo,P Matebele
7935			Confirm correct setting of protections	0.25 hrs	Thu 20/04/23 07:45	Thu 20/04/23 08:00	7934	L Majoo,P Matebele
7936			Service Stop/start	0.5 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:30	7935	L Majoo,P Matebele
7937			Check motor fan condition	0.5 hrs	Thu 20/04/23 08:30	Thu 20/04/23 09:00	7936	L Majoo,P Matebele
7938			Check cable terminal leads for over heating	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	7937	L Majoo,P Matebele
7939			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:30	7938	L Majoo,P Matebele
7940			Seal for Moisture and dust.	0.25 hrs	Thu 20/04/23 09:30	Thu 20/04/23 09:45	7939	L Majoo,P Matebele
7941			Clear permit	0.25 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:00	7940	L Majoo,P Matebele
7942		**29C2GU01A**	**A COMPACTOR LUBE OIL PUMP - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 20/04/23 10:00**	**Thu 20/04/23 14:00**	**7929**	
7943			Make out permit	0.25 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:15		L Majoo,P Matebele
7944			Accept permit	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	7943	L Majoo,P Matebele
7945			Carry out electrical isolation	0.25 hrs	Thu 20/04/23 10:30	Thu 20/04/23 10:45	7944	L Majoo,P Matebele
7946			Check loose connections in the panel	0.25 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:00	7945	L Majoo,P Matebele
7947			Check Contactor contacts connetions	0.25 hrs	Thu 20/04/23 11:00	Thu 20/04/23 11:15	7946	L Majoo,P Matebele
7948			Confirm correct setting of protections	0.25 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:30	7947	L Majoo,P Matebele
7949			Service Stop/start	0.5 hrs	Thu 20/04/23 11:30	Thu 20/04/23 12:00	7948	L Majoo,P Matebele
7950			Check motor fan condition	0.5 hrs	Thu 20/04/23 12:30	Thu 20/04/23 13:00	7949	L Majoo,P Matebele
7951			Check cable terminal leads for over heating	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	7950	L Majoo,P Matebele
7952			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 20/04/23 13:15	Thu 20/04/23 13:30	7951	L Majoo,P Matebele
7953			Seal for Moisture and dust.	0.25 hrs	Thu 20/04/23 13:30	Thu 20/04/23 13:45	7952	L Majoo,P Matebele
7954			Clear permit	0.25 hrs	Thu 20/04/23 13:45	Thu 20/04/23 14:00	7953	L Majoo,P Matebele
7955		**29C2GP01**	**A COMPACTOR TRANSFER SCREW - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 20/04/23 14:00**	**Thu 20/04/23 17:30**	**7942**	
7956			Make out permit	0.25 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:15		L Majoo,P Matebele
7957			Accept permit	0.25 hrs	Thu 20/04/23 14:15	Thu 20/04/23 14:30	7956	L Majoo,P Matebele
7958			Carry out electrical isolation	0.25 hrs	Thu 20/04/23 14:30	Thu 20/04/23 14:45	7957	L Majoo,P Matebele
7959			Check loose connections in the panel	0.25 hrs	Thu 20/04/23 14:45	Thu 20/04/23 15:00	7958	L Majoo,P Matebele
7960			Check Contactor contacts connetions	0.25 hrs	Thu 20/04/23 15:00	Thu 20/04/23 15:15	7959	L Majoo,P Matebele
7961			Confirm correct setting of protections	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	7960	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
7962			Service Stop/start	0.5 hrs	Thu 20/04/23 15:30	Thu 20/04/23 16:00	7961	L Majoo,P Matebele
7963			Check motor fan condition	0.5 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:30	7962	L Majoo,P Matebele
7964			Check cable terminal leads for over heating	0.25 hrs	Thu 20/04/23 16:30	Thu 20/04/23 16:45	7963	L Majoo,P Matebele
7965			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 20/04/23 16:45	Thu 20/04/23 17:00	7964	L Majoo,P Matebele
7966			Seal for Moisture and dust.	0.25 hrs	Thu 20/04/23 17:00	Thu 20/04/23 17:15	7965	L Majoo,P Matebele
7967			Clear permit	0.25 hrs	Thu 20/04/23 17:15	Thu 20/04/23 17:30	7966	L Majoo,P Matebele
7968		**29C2GF01**	**FLAKE CRUSHER - Carry out maintenance on Ash Electrical components**	**17 hrs**	**Thu 20/04/23 17:30**	**Sat 22/04/23 13:30**	**7955**	
7969			Make out permit	0.25 hrs	Thu 20/04/23 17:30	Thu 20/04/23 17:45		Operations
7970			Accept permit	0.25 hrs	Thu 20/04/23 17:45	Thu 20/04/23 18:00	7969	L Majoo,P Matebele
7971			Carry out electrical isolation	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15	7970	L Majoo,P Matebele
7972			Disconnect motor	2 hrs	Fri 21/04/23 07:15	Fri 21/04/23 09:15	7971	L Majoo,P Matebele
7973			Paint motor	4 hrs	Fri 21/04/23 09:15	Fri 21/04/23 13:45	7972	Painter 1
7974			Curing time	4 hrs	Fri 21/04/23 13:45	Fri 21/04/23 17:45	7973	
7975			Check loose connections inside the panel	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	7974	L Majoo,P Matebele
7976			Service panel components & Clear dust	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	7975	L Majoo,P Matebele
7977			Service Stop/start	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30	7976	L Majoo,P Matebele
7978			Connect motor	2 hrs	Sat 22/04/23 07:30	Sat 22/04/23 09:30	7977	L Majoo,P Matebele
7979			Check Fan condition	0.25 hrs	Sat 22/04/23 09:30	Sat 22/04/23 09:45	7978	L Majoo,P Matebele
7980			Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:00	7979	L Majoo,P Matebele
7981			Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:15	7980	L Majoo,P Matebele
7982			Install motor	1 hr	Sat 22/04/23 10:15	Sat 22/04/23 11:15	7981	Fit,G Moeseraela,T Moloi,L Majoo,P Matebele
7983			Connect motor	1 hr	Sat 22/04/23 11:15	Sat 22/04/23 12:45	7982	L Majoo,P Matebele
7984			Seal for Moisture and dust.	0.25 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:00	7983	L Majoo,P Matebele
7985			Confirm correct protection settings	0.25 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:15	7984	L Majoo,P Matebele
7986			Clear permit	0.25 hrs	Sat 22/04/23 13:15	Sat 22/04/23 13:30	7985	L Majoo,P Matebele
7987		**29C2RF07**	**A SHUTTLE CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Sat 22/04/23 13:30**	**Sat 22/04/23 16:45**	**7968**	
7988			Make out permit	0.25 hrs	Sat 22/04/23 13:30	Sat 22/04/23 13:45		Operations
7989			Accept permit	0.25 hrs	Sat 22/04/23 13:45	Sat 22/04/23 14:00	7988	L Majoo,P Matebele
7990			Carry out electrical isolation	0.25 hrs	Sat 22/04/23 14:00	Sat 22/04/23 14:15	7989	L Majoo,P Matebele
7991			Check loose connections in the panel	0.25 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:30	7990	L Majoo,P Matebele
7992			Service panel components & Clear dust	0.25 hrs	Sat 22/04/23 14:30	Sat 22/04/23 14:45	7991	L Majoo,P Matebele
7993			Service Field isolator	0.25 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:00	7992	L Majoo,P Matebele
7994			Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:15	7993	L Majoo,P Matebele
7995			Service safe start circuit	0.25 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:30	7994	L Majoo,P Matebele
7996			Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 22/04/23 15:30	Sat 22/04/23 15:45	7995	L Majoo,P Matebele
7997			Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	7996	L Majoo,P Matebele
7998			Seal for Moisture and dust.	0.25 hrs	Sat 22/04/23 16:00	Sat 22/04/23 16:15	7997	L Majoo,P Matebele
7999			Confirm correct protection settings	0.25 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:30	7998	L Majoo,P Matebele
8000			Clear permit	0.25 hrs	Sat 22/04/23 16:30	Sat 22/04/23 16:45	7999	L Majoo,P Matebele
8001		**29C2GB01**	**A EXHAUST FAN - Carry out Ash Electrical maintenance**	**9 hrs**	**Sat 22/04/23 16:45**	**Sun 23/04/23 15:15**	**7987**	
8002			Make out permit	0.25 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:00		Operations
8003			Accept permit	0.25 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:15	8002	L Majoo,P Matebele
8004			Carry out electrical isolation	0.25 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:30	8003	L Majoo,P Matebele
8005			Disconnect motor	2 hrs	Sat 22/04/23 17:30	Sun 23/04/23 08:30	8004	L Majoo,P Matebele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8006		Disconnect and remove motor and send for repairs	2 hrs	Sun 23/04/23 08:30	Sun 23/04/23 10:30	8005	B Thuso,L Nakedi,S Tlou,G Moeseraela,L Majoo (Ash),
8007		Check loose connections in the panel	0.25 hrs	Sun 23/04/23 10:30	Sun 23/04/23 10:45	8006	L Majoo,P Matebele
8008		Service panel components	0.25 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:00	8007	L Majoo,P Matebele
8009		Check fan & fan cowling	0.25 hrs	Sun 23/04/23 11:00	Sun 23/04/23 11:15	8008	L Majoo,P Matebele
8010		Service stop/start	0.25 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:30	8009	L Majoo,P Matebele
8011		Install motor	1 hr	Sun 23/04/23 11:30	Sun 23/04/23 13:00	8010	B Thuso,L Nakedi,S Tlou,G Moeseraela,L Majoo (Ash),
8012		Connect motor	1 hr	Sun 23/04/23 13:00	Sun 23/04/23 14:00	8011	L Majoo,P Matebele
8013		Check for overheating on supply cable leads.	0.25 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:15	8012	L Majoo,P Matebele
8014		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:30	8013	L Majoo,P Matebele
8015		Seal for Moisture and dust.	0.25 hrs	Sun 23/04/23 14:30	Sun 23/04/23 14:45	8014	L Majoo,P Matebele
8016		Confirm correct protection settings	0.25 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:00	8015	L Majoo,P Matebele
8017		Clear permit	0.25 hrs	Sun 23/04/23 15:00	Sun 23/04/23 15:15	8016	L Majoo,P Matebele
8018	**29C2GF02**	**A PRE-CRUSHER - Carry out maintenance on Electrical components**	**3.5 hrs**	**Sun 23/04/23 15:15**	**Mon 24/04/23 07:45**	**8001**	
8019		Make out permit	0.25 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:30		Operations
8020		Accept permit	0.25 hrs	Sun 23/04/23 15:30	Sun 23/04/23 15:45	8019	L Majoo,P Matebele
8021		Carry out electrical isolation	0.25 hrs	Sun 23/04/23 15:45	Sun 23/04/23 16:00	8020	L Majoo,P Matebele
8022		Check loose connections inside the panel	0.25 hrs	Sun 23/04/23 16:00	Sun 23/04/23 16:15	8021	L Majoo,P Matebele
8023		Service panel components & Clear dust	0.25 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:30	8022	L Majoo,P Matebele
8024		Service Field Isolator	0.5 hrs	Sun 23/04/23 16:30	Sun 23/04/23 17:00	8023	L Majoo,P Matebele
8025		Check Motor Fans condition	0.25 hrs	Sun 23/04/23 17:00	Sun 23/04/23 17:15	8024	L Majoo,P Matebele
8026		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 23/04/23 17:15	Sun 23/04/23 17:30	8025	L Majoo,P Matebele
8027		Tighten Motor connections & Gland intergrity	0.5 hrs	Sun 23/04/23 17:30	Sun 23/04/23 18:00	8026	L Majoo,P Matebele
8028		Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:15	8027	L Majoo,P Matebele
8029		Confirm correct protection settings	0.25 hrs	Mon 24/04/23 07:15	Mon 24/04/23 07:30	8028	L Majoo,P Matebele
8030		Clear permit	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45	8029	L Majoo,P Matebele
8031	**29C2GF02**	**A PRE-CRUSHER - Carry out maintenance on Electrical components**	**3.5 hrs**	**Mon 24/04/23 07:45**	**Mon 24/04/23 11:15**	**8018**	
8032		Make out permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00		Operations
8033		Accept permit	0.25 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:15	8032	L Majoo,P Matebele
8034		Carry out electrical isolation	0.25 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:30	8033	L Majoo,P Matebele
8035		Check loose connections inside the panel	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	8034	L Majoo,P Matebele
8036		Service panel components & Clear dust	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	8035	L Majoo,P Matebele
8037		Service Field Isolator	0.5 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:30	8036	L Majoo,P Matebele
8038		Check Motor Fans condition	0.25 hrs	Mon 24/04/23 09:30	Mon 24/04/23 09:45	8037	L Majoo,P Matebele
8039		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 24/04/23 09:45	Mon 24/04/23 10:00	8038	L Majoo,P Matebele
8040		Tighten Motor connections & Gland intergrity	0.5 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:30	8039	L Majoo,P Matebele
8041		Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 10:30	Mon 24/04/23 10:45	8040	L Majoo,P Matebele
8042		Confirm correct protection settings	0.25 hrs	Mon 24/04/23 10:45	Mon 24/04/23 11:00	8041	L Majoo,P Matebele
8043		Clear permit	0.25 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:15	8042	L Majoo,P Matebele
8044	**29C2RM01**	**A1 STAR FEEDER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Mon 24/04/23 11:15**	**Mon 24/04/23 14:45**	**8031**	
8045		Make out permit	0.25 hrs	Mon 24/04/23 11:15	Mon 24/04/23 11:30		Operations
8046		Accept permit	0.25 hrs	Mon 24/04/23 11:30	Mon 24/04/23 11:45	8045	L Majoo,P Matebele
8047		Carry out electrical isolation	0.25 hrs	Mon 24/04/23 11:45	Mon 24/04/23 12:00	8046	L Majoo,P Matebele
8048		Check loose connections inside the panel	0.25 hrs	Mon 24/04/23 12:30	Mon 24/04/23 12:45	8047	L Majoo,P Matebele
8049		Service panel components, VSD & Clear dust	0.25 hrs	Mon 24/04/23 12:45	Mon 24/04/23 13:00	8048	L Majoo,P Matebele
8050		Service Field Isolator	0.25 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:15	8049	L Majoo,P Matebele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8051		Check Motor Fan condition	0.25 hrs	Mon 24/04/23 13:15	Mon 24/04/23 13:30	8050	L Majoo,P Matebele
8052		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	8051	L Majoo,P Matebele
8053		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	8052	L Majoo,P Matebele
8054		Seal for Moisture and dust.	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	8053	L Majoo,P Matebele
8055		Confirm correct protection settings	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30	8054	L Majoo,P Matebele
8056		Clear permit	0.25 hrs	Mon 24/04/23 14:30	Mon 24/04/23 14:45	8055	L Majoo,P Matebele
8057	**29C2RM03**	**A2 DOSING STAR FEEDER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Sun 30/04/23 17:00**	**Mon 01/05/23 09:00**	**9792**	
8058		Make out permit	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15		Operations
8059		Accept permit	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30	8058	L Majoo,P Matebele
8060		Carry out electrical isolation	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45	8059	L Majoo,P Matebele
8061		Check loose connections inside the panel	0.25 hrs	Sun 30/04/23 17:45	Sun 30/04/23 18:00	8060	L Majoo,P Matebele
8062		Service panel components, VSD & Clear dust	0.25 hrs	Mon 01/05/23 07:00	Mon 01/05/23 07:15	8061	L Majoo,P Matebele
8063		Service Field Isolator	0.25 hrs	Mon 01/05/23 07:15	Mon 01/05/23 07:30	8062	L Majoo,P Matebele
8064		Check Motor Fan condition	0.25 hrs	Mon 01/05/23 07:30	Mon 01/05/23 07:45	8063	L Majoo,P Matebele
8065		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:00	8064	L Majoo,P Matebele
8066		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 08:00	Mon 01/05/23 08:15	8065	L Majoo,P Matebele
8067		Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 08:15	Mon 01/05/23 08:30	8066	L Majoo,P Matebele
8068		Confirm correct protection settings	0.25 hrs	Mon 01/05/23 08:30	Mon 01/05/23 08:45	8067	L Majoo,P Matebele
8069		Clear permit	0.25 hrs	Mon 01/05/23 08:45	Mon 01/05/23 09:00	8068	L Majoo,P Matebele
8070	**29C2RE01**	**A1 BELT CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Mon 01/05/23 09:00**	**Mon 01/05/23 12:00**	**8057**	
8071		Make out permit	0.25 hrs	Mon 01/05/23 09:00	Mon 01/05/23 09:15		Operations
8072		Accept permit	0.25 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:30	8071	L Majoo,P Matebele
8073		Carry out electrical isolation	0.25 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:45	8072	L Majoo,P Matebele
8074		Check loose connections inside the panel	0.25 hrs	Mon 01/05/23 09:45	Mon 01/05/23 10:00	8073	L Majoo,P Matebele
8075		Service panel components & clear dust	0.25 hrs	Mon 01/05/23 10:00	Mon 01/05/23 10:15	8074	L Majoo,P Matebele
8076		Service Field Isolator	0.25 hrs	Mon 01/05/23 10:15	Mon 01/05/23 10:30	8075	L Majoo,P Matebele
8077		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Mon 01/05/23 10:30	Mon 01/05/23 10:45	8076	L Majoo,P Matebele
8078		Service safe start circuit & pull switches	0.25 hrs	Mon 01/05/23 10:45	Mon 01/05/23 11:00	8077	L Majoo,P Matebele
8079		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 11:00	Mon 01/05/23 11:15	8078	L Majoo,P Matebele
8080		Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 11:15	Mon 01/05/23 11:30	8079	L Majoo,P Matebele
8081		Confirm correct protection settings	0.25 hrs	Mon 01/05/23 11:30	Mon 01/05/23 11:45	8080	L Majoo,P Matebele
8082		Clear permit	0.25 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:00	8081	L Majoo,P Matebele
8083	**29C2RE02**	**A2 BELT CONVEYOR - Carry out maintenance on Ash Electrical components**	**2.75 hrs**	**Mon 01/05/23 12:00**	**Mon 01/05/23 15:15**	**8070**	
8084		Make out permit	0.25 hrs	Mon 01/05/23 12:00	Mon 01/05/23 12:15		Operations
8085		Accept permit	0.25 hrs	Mon 01/05/23 12:30	Mon 01/05/23 12:45	8084	L Majoo,P Matebele
8086		Carry out electrical isolation	0.25 hrs	Mon 01/05/23 12:45	Mon 01/05/23 13:00	8085	L Majoo,P Matebele
8087		Check loose connections inside the panel	0.25 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:15	8086	L Majoo,P Matebele
8088		Service panel components & clear dust	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30	8087	L Majoo,P Matebele
8089		Service Field Isolator	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45	8088	L Majoo,P Matebele
8090		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	8089	L Majoo,P Matebele
8091		Service safe start circuit & pull switches	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	8090	L Majoo,P Matebele
8092		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:30	8091	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8093			Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 14:30	Mon 01/05/23 14:45	8092	L Majoo,P Matebele
8094			Confirm correct protection settings	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	8093	L Majoo,P Matebele
8095			Clear permit	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15	8094	L Majoo,P Matebele
8096		**29C2GF07**	**A1 FINE ROLLER CRUSHER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Mon 01/05/23 15:15**	**Tue 02/05/23 07:15**	**8083**	
8097			Make out permit	0.25 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:30		Operations
8098			Accept permit	0.25 hrs	Mon 01/05/23 15:30	Mon 01/05/23 15:45	8097	L Majoo,P Matebele
8099			Carry out electrical isolation	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	8098	L Majoo,P Matebele
8100			Check loose connections inside the panel	0.25 hrs	Mon 01/05/23 16:00	Mon 01/05/23 16:15	8099	L Majoo,P Matebele
8101			Service panel components & clear dust	0.25 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:30	8100	L Majoo,P Matebele
8102			check proximity switch, bracket & functionality	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45	8101	L Majoo,P Matebele
8103			Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Mon 01/05/23 16:45	Mon 01/05/23 17:00	8102	L Majoo,P Matebele
8104			Service Field Isolator	0.25 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:15	8103	L Majoo,P Matebele
8105			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 17:15	Mon 01/05/23 17:30	8104	L Majoo,P Matebele
8106			Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 17:30	Mon 01/05/23 17:45	8105	L Majoo,P Matebele
8107			Confirm correct protection settings	0.25 hrs	Mon 01/05/23 17:45	Mon 01/05/23 18:00	8106	L Majoo,P Matebele
8108			Clear permit	0.25 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:15	8107	L Majoo,P Matebele
8109		**29C2GF08**	**A2 FINE ROLLER CRUSHER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Tue 02/05/23 07:15**	**Tue 02/05/23 10:15**	**8096**	
8110			Make out permit	0.25 hrs	Tue 02/05/23 07:15	Tue 02/05/23 07:30		Operations
8111			Accept permit	0.25 hrs	Tue 02/05/23 07:30	Tue 02/05/23 07:45	8110	L Majoo,P Matebele
8112			Carry out electrical isolation	0.25 hrs	Tue 02/05/23 07:45	Tue 02/05/23 08:00	8111	L Majoo,P Matebele
8113			Check loose connections inside the panel	0.25 hrs	Tue 02/05/23 08:00	Tue 02/05/23 08:15	8112	L Majoo,P Matebele
8114			Service panel components & clear dust	0.25 hrs	Tue 02/05/23 08:15	Tue 02/05/23 08:30	8113	L Majoo,P Matebele
8115			check proximity switch, bracket & functionality	0.25 hrs	Tue 02/05/23 08:30	Tue 02/05/23 08:45	8114	L Majoo,P Matebele
8116			Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Tue 02/05/23 08:45	Tue 02/05/23 09:00	8115	L Majoo,P Matebele
8117			Service Field Isolator	0.25 hrs	Tue 02/05/23 09:00	Tue 02/05/23 09:15	8116	L Majoo,P Matebele
8118			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 09:15	Tue 02/05/23 09:30	8117	L Majoo,P Matebele
8119			Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 09:30	Tue 02/05/23 09:45	8118	L Majoo,P Matebele
8120			Confirm correct protection settings	0.25 hrs	Tue 02/05/23 09:45	Tue 02/05/23 10:00	8119	L Majoo,P Matebele
8121			Clear permit	0.25 hrs	Tue 02/05/23 10:00	Tue 02/05/23 10:15	8120	L Majoo,P Matebele
8122		**29C2GF03**	**A1 PRE-ROLLER CRUSHER - Carry out maintenance on Electrical components**	**3 hrs**	**Tue 02/05/23 10:15**	**Tue 02/05/23 13:45**	**8109**	
8123			Make out permit	0.25 hrs	Tue 02/05/23 10:15	Tue 02/05/23 10:30		Operations
8124			Accept permit	0.25 hrs	Tue 02/05/23 10:30	Tue 02/05/23 10:45	8123	L Majoo,P Matebele
8125			Carry out electrical isolation	0.25 hrs	Tue 02/05/23 10:45	Tue 02/05/23 11:00	8124	L Majoo,P Matebele
8126			Check loose connections inside the panel	0.25 hrs	Tue 02/05/23 11:00	Tue 02/05/23 11:15	8125	L Majoo,P Matebele
8127			Service panel components & clear dust	0.25 hrs	Tue 02/05/23 11:15	Tue 02/05/23 11:30	8126	L Majoo,P Matebele
8128			check proximity switch, bracket & functionality	0.25 hrs	Tue 02/05/23 11:30	Tue 02/05/23 11:45	8127	L Majoo,P Matebele
8129			Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Tue 02/05/23 11:45	Tue 02/05/23 12:00	8128	L Majoo,P Matebele
8130			Service Field Isolator	0.25 hrs	Tue 02/05/23 12:30	Tue 02/05/23 12:45	8129	L Majoo,P Matebele
8131			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 12:45	Tue 02/05/23 13:00	8130	L Majoo,P Matebele
8132			Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 13:00	Tue 02/05/23 13:15	8131	L Majoo,P Matebele
8133			Confirm correct protection settings	0.25 hrs	Tue 02/05/23 13:15	Tue 02/05/23 13:30	8132	L Majoo,P Matebele
8134			Clear permit	0.25 hrs	Tue 02/05/23 13:30	Tue 02/05/23 13:45	8133	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8135		**29C2GF04**	**A2 PRE-ROLLER CRUSHER - Carry out maintenance on Electrical components**	**3 hrs**	**Tue 02/05/23 13:45**	**Tue 02/05/23 16:45**	**8122**	
8136			Make out permit	0.25 hrs	Tue 02/05/23 13:45	Tue 02/05/23 14:00		Operations
8137			Accept permit	0.25 hrs	Tue 02/05/23 14:00	Tue 02/05/23 14:15	8136	L Majoo,P Matebele
8138			Carry out electrical isolation	0.25 hrs	Tue 02/05/23 14:15	Tue 02/05/23 14:30	8137	L Majoo,P Matebele
8139			Check loose connections inside the panel	0.25 hrs	Tue 02/05/23 14:30	Tue 02/05/23 14:45	8138	L Majoo,P Matebele
8140			Service panel components & clear dust	0.25 hrs	Tue 02/05/23 14:45	Tue 02/05/23 15:00	8139	L Majoo,P Matebele
8141			check proximity switch, bracket & functionality	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	8140	L Majoo,P Matebele
8142			Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30	8141	L Majoo,P Matebele
8143			Service Field Isolator	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45	8142	L Majoo,P Matebele
8144			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	8143	L Majoo,P Matebele
8145			Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:15	8144	L Majoo,P Matebele
8146			Confirm correct protection settings	0.25 hrs	Tue 02/05/23 16:15	Tue 02/05/23 16:30	8145	L Majoo,P Matebele
8147			Clear permit	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	8146	L Majoo,P Matebele
8148		**29C2GF05**	**A3 PRE-ROLLER CRUSHER - Carry out maintenance on Electrical components**	**3 hrs**	**Tue 02/05/23 16:45**	**Wed 03/05/23 08:45**	**8135**	
8149			Make out permit	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00		Operations
8150			Accept permit	0.25 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:15	8149	L Majoo,P Matebele
8151			Carry out electrical isolation	0.25 hrs	Tue 02/05/23 17:15	Tue 02/05/23 17:30	8150	L Majoo,P Matebele
8152			Check loose connections inside the panel	0.25 hrs	Tue 02/05/23 17:30	Tue 02/05/23 17:45	8151	L Majoo,P Matebele
8153			Service panel components & clear dust	0.25 hrs	Tue 02/05/23 17:45	Tue 02/05/23 18:00	8152	L Majoo,P Matebele
8154			check proximity switch, bracket & functionality	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	8153	L Majoo,P Matebele
8155			Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	8154	L Majoo,P Matebele
8156			Service Field Isolator	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	8155	L Majoo,P Matebele
8157			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 07:45	Wed 03/05/23 08:00	8156	L Majoo,P Matebele
8158			Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	8157	L Majoo,P Matebele
8159			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	8158	L Majoo,P Matebele
8160			Clear permit	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45	8159	L Majoo,P Matebele
8161		**29C2GF06**	**A4 PRE-ROLLER CRUSHER - Carry out maintenance on Electrical components**	**3 hrs**	**Wed 03/05/23 08:45**	**Wed 03/05/23 11:45**	**8148**	
8162			Make out permit	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00		Operations
8163			Accept permit	0.25 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:15	8162	L Majoo-Comp2
8164			Carry out electrical isolation	0.25 hrs	Wed 03/05/23 09:15	Wed 03/05/23 09:30	8163	L Majoo-Comp2
8165			Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 09:30	Wed 03/05/23 09:45	8164	L Majoo-Comp2
8166			Service panel components & clear dust	0.25 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:00	8165	L Majoo-Comp2
8167			check proximity switch, bracket & functionality	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15	8166	L Majoo-Comp2
8168			Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	8167	L Majoo-Comp2
8169			Service Field Isolator	0.25 hrs	Wed 03/05/23 10:30	Wed 03/05/23 10:45	8168	L Majoo-Comp2
8170			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 10:45	Wed 03/05/23 11:00	8169	L Majoo-Comp2
8171			Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15	8170	L Majoo-Comp2
8172			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	8171	L Majoo-Comp2
8173			Clear permit	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	8172	L Majoo-Comp2
8174		**29C2GN01**	**A1 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Sun 30/04/23 08:15**	**Sun 30/04/23 17:15**	**9781**	
8175			Make out permit	0.25 hrs	Sun 30/04/23 08:15	Sun 30/04/23 08:30		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8176			Accept permit	0.25 hrs	Sun 30/04/23 08:30	Sun 30/04/23 08:45	8175	L Majoo,P Matebele
8177			Carry out electrical isolation	0.25 hrs	Sun 30/04/23 08:45	Sun 30/04/23 09:00	8176	L Majoo,P Matebele
8178			Check loose connections inside the panel	0.25 hrs	Sun 30/04/23 09:00	Sun 30/04/23 09:15	8177	L Majoo,P Matebele
8179			Service panel components & clear dust	1 hr	Sun 30/04/23 09:15	Sun 30/04/23 10:15	8178	L Majoo,P Matebele
8180			Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Sun 30/04/23 10:15	Sun 30/04/23 11:45	8179	L Majoo,P Matebele
8181			Replace worn Butt terminals/Lugs	1.5 hrs	Sun 30/04/23 11:45	Sun 30/04/23 13:45	8180	L Majoo,P Matebele
8182			Check Protection Breakers for open circuit	0.5 hrs	Sun 30/04/23 13:45	Sun 30/04/23 14:15	8181	L Majoo,P Matebele
8183			Service Field Isolator	0.25 hrs	Sun 30/04/23 14:15	Sun 30/04/23 14:30	8182	L Majoo,P Matebele
8184			Label Controllers, current monitors & rear terminals	2 hrs	Sun 30/04/23 14:30	Sun 30/04/23 16:30	8183	L Majoo,P Matebele
8185			Confirm correct Current Monitor settings	0.25 hrs	Sun 30/04/23 16:30	Sun 30/04/23 16:45	8184	L Majoo,P Matebele
8186			Confirm correct protection settings	0.25 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:00	8185	L Majoo,P Matebele
8187			Clear permit	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15	8186	L Majoo,P Matebele
8188		**29C2GN02**	**A2 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.25 hrs**	**Sun 30/04/23 17:15**	**Mon 01/05/23 15:00**	**8174**	
8189			Make out permit	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30		Operations
8190			Accept permit	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45	8189	L Majoo,P Matebele
8191			Carry out electrical isolation	0.25 hrs	Sun 30/04/23 17:45	Sun 30/04/23 18:00	8190	L Majoo,P Matebele
8192			Check loose connections inside the panel	0.25 hrs	Mon 01/05/23 07:00	Mon 01/05/23 07:15	8191	L Majoo,P Matebele
8193			Service panel components & clear dust	1 hr	Mon 01/05/23 07:15	Mon 01/05/23 08:15	8192	L Majoo,P Matebele
8194			Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Mon 01/05/23 08:15	Mon 01/05/23 09:45	8193	L Majoo,P Matebele
8195			Replace worn Butt terminals/Lugs	1.5 hrs	Mon 01/05/23 09:45	Mon 01/05/23 11:15	8194	L Majoo,P Matebele
8196			Check Protection Breakers for open circuit	0.5 hrs	Mon 01/05/23 11:15	Mon 01/05/23 11:45	8195	L Majoo,P Matebele
8197			Service Field Isolator	0.25 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:00	8196	L Majoo,P Matebele
8198			Label Controllers, current monitors & rear terminals	2 hrs	Mon 01/05/23 12:30	Mon 01/05/23 14:30	8197	L Majoo,P Matebele
8199			Confirm correct Current Monitor settings	0.25 hrs	Mon 01/05/23 14:30	Mon 01/05/23 14:45	8198	L Majoo,P Matebele
8200			Confirm correct protection settings	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	8199	L Majoo,P Matebele
8201		**29C2GN03**	**A3 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**12.75 hrs**	**Mon 01/05/23 15:00**	**Tue 02/05/23 17:15**	**8188**	
8202			Make out permit	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15		Operations
8203			Accept permit	0.25 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:30	8202	L Majoo,P Matebele
8204			Carry out electrical isolation	0.25 hrs	Mon 01/05/23 15:30	Mon 01/05/23 15:45	8203	L Majoo,P Matebele
8205			Check loose connections inside the panel	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	8204	L Majoo,P Matebele
8206			Service panel components & clear dust	1 hr	Mon 01/05/23 16:00	Mon 01/05/23 17:00	8205	L Majoo,P Matebele
8207			Replace DB board	4 hrs	Mon 01/05/23 17:00	Tue 02/05/23 10:00	8206	Fit,L Majoo,P Matebele
8208			Remove old circuit breaker boxes	0.25 hrs	Tue 02/05/23 10:00	Tue 02/05/23 10:15	8207	L Majoo,P Matebele
8209			Install new circuit breaker	1.5 hrs	Tue 02/05/23 10:15	Tue 02/05/23 11:45	8208	L Majoo,P Matebele
8210			Replace worn Butt terminals/Lugs	1.5 hrs	Tue 02/05/23 11:45	Tue 02/05/23 13:45	8209	L Majoo,P Matebele
8211			Check Protection Breakers for open circuit	0.5 hrs	Tue 02/05/23 13:45	Tue 02/05/23 14:15	8210	L Majoo,P Matebele
8212			Service Field Isolator	0.25 hrs	Tue 02/05/23 14:15	Tue 02/05/23 14:30	8211	L Majoo,P Matebele
8213			Label Controllers, current monitors & rear terminals	2 hrs	Tue 02/05/23 14:30	Tue 02/05/23 16:30	8212	L Majoo,P Matebele
8214			Confirm correct Current Monitor settings	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	8213	L Majoo,P Matebele
8215			Confirm correct protection settings	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	8214	L Majoo,P Matebele
8216			Clear permit	0.25 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:15	8215	L Majoo,P Matebele
8217		**29C2GN04**	**A4 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Tue 02/05/23 17:15**	**Wed 03/05/23 15:15**	**8201**	

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8218		Make out permit	0.25 hrs	Tue 02/05/23 17:15	Tue 02/05/23 17:30		Operations
8219		Accept permit	0.25 hrs	Tue 02/05/23 17:30	Tue 02/05/23 17:45	8218	L Majoo,P Matebele
8220		Carry out electrical isolation	0.25 hrs	Tue 02/05/23 17:45	Tue 02/05/23 18:00	8219	L Majoo,P Matebele
8221		Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	8220	L Majoo,P Matebele
8222		Service panel components & clear dust	1 hr	Wed 03/05/23 07:15	Wed 03/05/23 08:15	8221	L Majoo,P Matebele
8223		Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Wed 03/05/23 08:15	Wed 03/05/23 09:45	8222	L Majoo,P Matebele
8224		Replace worn Butt terminals/Lugs	1.5 hrs	Wed 03/05/23 09:45	Wed 03/05/23 11:15	8223	L Majoo,P Matebele
8225		Check Protection Breakers for open circuit	0.5 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:45	8224	L Majoo,P Matebele
8226		Service Field Isolator	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	8225	L Majoo,P Matebele
8227		Label Controllers, current monitors & rear terminals	2 hrs	Wed 03/05/23 12:30	Wed 03/05/23 14:30	8226	L Majoo,P Matebele
8228		Confirm correct Current Monitor settings	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	8227	L Majoo,P Matebele
8229		Confirm correct protection settings	0.25 hrs	Wed 03/05/23 14:45	Wed 03/05/23 15:00	8228	L Majoo,P Matebele
8230		Clear permit	0.25 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:15	8229	L Majoo,P Matebele
8231	**29C2GN05**	**A1 SECONDARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Wed 03/05/23 15:15**	**Thu 04/05/23 13:15**	**8217**	
8232		Make out permit	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30		Operations
8233		Accept permit	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45	8232	L Majoo,P Matebele
8234		Carry out electrical isolation	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00	8233	L Majoo,P Matebele
8235		Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	8234	L Majoo,P Matebele
8236		Service panel components & clear dust	1 hr	Wed 03/05/23 16:15	Wed 03/05/23 17:15	8235	L Majoo,P Matebele
8237		Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Wed 03/05/23 17:15	Thu 04/05/23 07:45	8236	L Majoo,P Matebele
8238		Replace worn Butt terminals/Lugs	1.5 hrs	Thu 04/05/23 07:45	Thu 04/05/23 09:15	8237	L Majoo,P Matebele
8239		Check Protection Breakers for open circuit	0.5 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:45	8238	L Majoo,P Matebele
8240		Service Field Isolator	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	8239	L Majoo,P Matebele
8241		Label Controllers, current monitors & rear terminals	2 hrs	Thu 04/05/23 10:00	Thu 04/05/23 12:00	8240	L Majoo,P Matebele
8242		Confirm correct Current Monitor settings	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	8241	L Majoo,P Matebele
8243		Confirm correct protection settings	0.25 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:00	8242	L Majoo,P Matebele
8244		Clear permit	0.25 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:15	8243	L Majoo,P Matebele
8245	**29C2GN06**	**A2 SECONDARY VIBRATING SCREEN - Services Coils, Field DB and Panel components Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Thu 04/05/23 13:15**	**Fri 05/05/23 10:45**	**8231**	
8246		Make out permit	0.25 hrs	Thu 04/05/23 13:15	Thu 04/05/23 13:30		Operations
8247		Accept permit	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	8246	L Majoo,P Matebele
8248		Carry out electrical isolation	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	8247	L Majoo,P Matebele
8249		Check loose connections inside the panel	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	8248	L Majoo,P Matebele
8250		Service panel components & clear dust	1 hr	Thu 04/05/23 14:15	Thu 04/05/23 15:15	8249	L Majoo,P Matebele
8251		Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Thu 04/05/23 15:15	Thu 04/05/23 16:45	8250	L Majoo,P Matebele
8252		Replace worn Butt terminals/Lugs	1.5 hrs	Thu 04/05/23 16:45	Fri 05/05/23 07:15	8251	L Majoo,P Matebele
8253		Check Protection Breakers for open circuit	0.5 hrs	Fri 05/05/23 07:15	Fri 05/05/23 07:45	8252	L Majoo,P Matebele
8254		Service Field Isolator	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	8253	L Majoo,P Matebele
8255		Label Controllers, current monitors & rear terminals	2 hrs	Fri 05/05/23 08:00	Fri 05/05/23 10:00	8254	L Majoo,P Matebele
8256		Confirm correct Current Monitor settings	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	8255	L Majoo,P Matebele
8257		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	8256	L Majoo,P Matebele
8258		Clear permit	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45	8257	L Majoo,P Matebele
8259	**29C2RH01**	**A1 VIBRATING DISTRIBUTOR - Carry out maintenance**	**10.25 hrs**	**Thu 04/05/23 10:43**	**Fri 05/05/23 10:28**	**9953**	
8260		Make out permit	0.25 hrs	Thu 04/05/23 10:43	Thu 04/05/23 10:58		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8261			Accept permit	0.25 hrs	Thu 04/05/23 10:58	Thu 04/05/23 11:13	8260	L Majoo,P Matebele
8262			Carry out electrical isolation	0.25 hrs	Thu 04/05/23 11:13	Thu 04/05/23 11:28	8261	L Majoo,P Matebele
8263			Tighten Ash Electrical connections in the panel	0.25 hrs	Thu 04/05/23 11:28	Thu 04/05/23 11:43	8262	L Majoo,P Matebele
8264			Service panel components & Clear dust	0.25 hrs	Thu 04/05/23 11:43	Thu 04/05/23 11:58	8263	L Majoo,P Matebele
8265			Service Field Isolator	0.25 hrs	Thu 04/05/23 11:58	Thu 04/05/23 12:43	8264	L Majoo,P Matebele
8266			Check Coil supply cables for damage	0.25 hrs	Thu 04/05/23 12:43	Thu 04/05/23 12:58	8265	L Majoo,P Matebele
8267			Clear dust inside Armature assembly	0.25 hrs	Thu 04/05/23 12:58	Thu 04/05/23 13:13	8266	L Majoo,P Matebele
8268			Set gap between Coil and armature core	0.25 hrs	Thu 04/05/23 13:13	Thu 04/05/23 13:28	8267	L Majoo,P Matebele
8269			Remove control card	0.5 hrs	Thu 04/05/23 13:28	Thu 04/05/23 13:58	8268	L Majoo,P Matebele
8270			Wash and dry card	6 hrs	Thu 04/05/23 13:58	Fri 05/05/23 08:58	8269	L Majoo,P Matebele
8271			Install card	0.5 hrs	Fri 05/05/23 08:58	Fri 05/05/23 09:28	8270	L Majoo,P Matebele
8272			Ensure all adjusting screws are functional	0.25 hrs	Fri 05/05/23 09:28	Fri 05/05/23 09:43	8271	L Majoo,P Matebele
8273			Tighten Coil mounting screw	0.25 hrs	Fri 05/05/23 09:43	Fri 05/05/23 09:58	8272	L Majoo,P Matebele
8274			Confirm correct protection settings	0.25 hrs	Fri 05/05/23 09:58	Fri 05/05/23 10:13	8273	L Majoo,P Matebele
8275			Clear permit	0.25 hrs	Fri 05/05/23 10:13	Fri 05/05/23 10:28	8274	L Majoo,P Matebele
8276		**29C2RH02**	**A2 VIBRATING DISTRIBUTOR - Carry out maintenance**	**10 hrs**	**Fri 05/05/23 10:28**	**Sat 06/05/23 09:58**	**8259**	
8277			Make out permit	0.25 hrs	Fri 05/05/23 10:28	Fri 05/05/23 10:43		Operations
8278			Accept permit	0.25 hrs	Fri 05/05/23 10:43	Fri 05/05/23 10:58	8277	L Majoo,P Matebele
8279			Carry out electrical isolation	0.25 hrs	Fri 05/05/23 10:58	Fri 05/05/23 11:13	8278	L Majoo,P Matebele
8280			Tighten Ash Electrical connections in the panel	0.25 hrs	Fri 05/05/23 11:13	Fri 05/05/23 11:28	8279	L Majoo,P Matebele
8281			Service panel components & Clear dust	0.25 hrs	Fri 05/05/23 11:28	Fri 05/05/23 11:43	8280	L Majoo,P Matebele
8282			Service Field Isolator	0.25 hrs	Fri 05/05/23 11:43	Fri 05/05/23 11:58	8281	L Majoo,P Matebele
8283			Check Coil supply cables for damage	0.25 hrs	Fri 05/05/23 11:58	Fri 05/05/23 12:43	8282	L Majoo,P Matebele
8284			Clear dust inside Armature assembly	0.25 hrs	Fri 05/05/23 12:43	Fri 05/05/23 12:58	8283	L Majoo,P Matebele
8285			Set gap between Coil and armature core	0.25 hrs	Fri 05/05/23 12:58	Fri 05/05/23 13:13	8284	L Majoo,P Matebele
8286			Wash and dry card	6 hrs	Fri 05/05/23 13:13	Sat 06/05/23 08:13	8285	L Majoo,P Matebele
8287			Install card	0.5 hrs	Sat 06/05/23 08:13	Sat 06/05/23 08:43	8286	L Majoo,P Matebele
8288			Ensure all adjusting screws are functional	0.25 hrs	Sat 06/05/23 08:43	Sat 06/05/23 08:58	8287	L Majoo,P Matebele
8289			Ensure all adjusting screws are functional	0.25 hrs	Sat 06/05/23 08:58	Sat 06/05/23 09:13	8288	L Majoo,P Matebele
8290			Tighten Coil mounting screw	0.25 hrs	Sat 06/05/23 09:13	Sat 06/05/23 09:28	8289	L Majoo,P Matebele
8291			Confirm correct protection settings	0.25 hrs	Sat 06/05/23 09:28	Sat 06/05/23 09:43	8290	L Majoo,P Matebele
8292			Clear permit	0.25 hrs	Sat 06/05/23 09:43	Sat 06/05/23 09:58	8291	L Majoo,P Matebele
8293		**29C2RH03**	**A3 VIBRATING DISTRIBUTOR - Carry out maintenance**	**10 hrs**	**Sat 06/05/23 09:58**	**Sun 07/05/23 09:28**	**8276**	
8294			Make out permit	0.25 hrs	Sat 06/05/23 09:58	Sat 06/05/23 10:13		Operations
8295			Accept permit	0.25 hrs	Sat 06/05/23 10:13	Sat 06/05/23 10:28	8294	L Majoo,P Matebele
8296			Carry out electrical isolation	0.25 hrs	Sat 06/05/23 10:28	Sat 06/05/23 10:43	8295	L Majoo,P Matebele
8297			Tighten Ash Electrical connections in the panel	0.25 hrs	Sat 06/05/23 10:43	Sat 06/05/23 10:58	8296	L Majoo,P Matebele
8298			Service panel components & Clear dust	0.25 hrs	Sat 06/05/23 10:58	Sat 06/05/23 11:13	8297	L Majoo,P Matebele
8299			Service Field Isolator	0.25 hrs	Sat 06/05/23 11:13	Sat 06/05/23 11:28	8298	L Majoo,P Matebele
8300			Check Coil supply cables for damage	0.25 hrs	Sat 06/05/23 11:28	Sat 06/05/23 11:43	8299	L Majoo,P Matebele
8301			Clear dust inside Armature assembly	0.25 hrs	Sat 06/05/23 11:43	Sat 06/05/23 11:58	8300	L Majoo,P Matebele
8302			Set gap between Coil and armature core	0.25 hrs	Sat 06/05/23 11:58	Sat 06/05/23 12:43	8301	L Majoo,P Matebele
8303			Wash and dry card	6 hrs	Sat 06/05/23 12:43	Sun 07/05/23 07:43	8302	L Majoo,P Matebele
8304			Install card	0.5 hrs	Sun 07/05/23 07:43	Sun 07/05/23 08:13	8303	L Majoo,P Matebele
8305			Ensure all adjusting screws are functional	0.25 hrs	Sun 07/05/23 08:13	Sun 07/05/23 08:28	8304	L Majoo,P Matebele

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8306			Ensure all adjusting screws are functional	0.25 hrs	Sun 07/05/23 08:28	Sun 07/05/23 08:43	8305	L Majoo,P Matebele
8307			Tighten Coil mounting screw	0.25 hrs	Sun 07/05/23 08:43	Sun 07/05/23 08:58	8306	L Majoo,P Matebele
8308			Confirm correct protection settings	0.25 hrs	Sun 07/05/23 08:58	Sun 07/05/23 09:13	8307	L Majoo,P Matebele
8309			Clear permit	0.25 hrs	Sun 07/05/23 09:13	Sun 07/05/23 09:28	8308	L Majoo,P Matebele
8310		**29C2RH04**	**A4 VIBRATING DISTRIBUTOR - Carry out maintenance**	**10 hrs**	**Sun 07/05/23 09:28**	**Mon 08/05/23 08:58**	**8293**	
8311			Make out permit	0.25 hrs	Sun 07/05/23 09:28	Sun 07/05/23 09:43		Operations
8312			Accept permit	0.25 hrs	Sun 07/05/23 09:43	Sun 07/05/23 09:58	8311	L Majoo,P Matebele
8313			Carry out electrical isolation	0.25 hrs	Sun 07/05/23 09:58	Sun 07/05/23 10:13	8312	L Majoo,P Matebele
8314			Tighten Ash Electrical connections in the panel	0.25 hrs	Sun 07/05/23 10:13	Sun 07/05/23 10:28	8313	L Majoo,P Matebele
8315			Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 10:28	Sun 07/05/23 10:43	8314	L Majoo,P Matebele
8316			Service Field Isolator	0.25 hrs	Sun 07/05/23 10:43	Sun 07/05/23 10:58	8315	L Majoo,P Matebele
8317			Check Coil supply cables for damage	0.25 hrs	Sun 07/05/23 10:58	Sun 07/05/23 11:13	8316	L Majoo,P Matebele
8318			Clear dust inside Armature assembly	0.25 hrs	Sun 07/05/23 11:13	Sun 07/05/23 11:28	8317	L Majoo,P Matebele
8319			Set gap between Coil and armature core	0.25 hrs	Sun 07/05/23 11:28	Sun 07/05/23 11:43	8318	L Majoo,P Matebele
8320			Wash and dry card	6 hrs	Sun 07/05/23 11:43	Mon 08/05/23 07:13	8319	L Majoo,P Matebele
8321			Install card	0.5 hrs	Mon 08/05/23 07:13	Mon 08/05/23 07:43	8320	L Majoo,P Matebele
8322			Ensure all adjusting screws are functional	0.25 hrs	Mon 08/05/23 07:43	Mon 08/05/23 07:58	8321	L Majoo,P Matebele
8323			Ensure all adjusting screws are functional	0.25 hrs	Mon 08/05/23 07:58	Mon 08/05/23 08:13	8322	L Majoo,P Matebele
8324			Tighten Coil mounting screw	0.25 hrs	Mon 08/05/23 08:13	Mon 08/05/23 08:28	8323	L Majoo,P Matebele
8325			Confirm correct protection settings	0.25 hrs	Mon 08/05/23 08:28	Mon 08/05/23 08:43	8324	L Majoo,P Matebele
8326			Clear permit	0.25 hrs	Mon 08/05/23 08:43	Mon 08/05/23 08:58	8325	L Majoo,P Matebele
8327		**29C2RF01**	**A1 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**19 hrs**	**Fri 05/05/23 10:45**	**Sun 07/05/23 08:45**	**8245**	
8328			Make out permit	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00		Operations
8329			Accept permit	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	8328	L Majoo,P Matebele
8330			Carry out electrical isolation	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	8329	L Majoo,P Matebele
8331			Disconnect and remove motor and send for repairs	2 hrs	Fri 05/05/23 11:30	Fri 05/05/23 14:00	8330	B Thuso,L Nakedi,S Tlou,G Moeseraela,L Majoo (Ash),
8332			Check loose connections in the panel	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	8331	L Majoo,P Matebele
8333			Service panel components & Clear dust	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	8332	L Majoo,P Matebele
8334			Service Field isolator	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45	8333	L Majoo,P Matebele
8335			Replace geared unit	12 hrs	Fri 05/05/23 14:45	Sat 06/05/23 16:15	8334	B Thuso,L Nakedi,S Tlou,G Moeseraela,L Majoo (Ash),
8336			Connect motor	2 hrs	Sat 06/05/23 16:15	Sun 07/05/23 07:15	8335	L Majoo,P Matebele
8337			Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sun 07/05/23 07:15	Sun 07/05/23 07:30	8336	L Majoo,P Matebele
8338			Service safe start circuit	0.25 hrs	Sun 07/05/23 07:30	Sun 07/05/23 07:45	8337	L Majoo,P Matebele
8339			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 07:45	Sun 07/05/23 08:00	8338	L Majoo,P Matebele
8340			Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	8339	L Majoo,P Matebele
8341			Confirm correct protection settings	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	8340	L Majoo,P Matebele
8342			Clear permit	0.25 hrs	Sun 07/05/23 08:30	Sun 07/05/23 08:45	8341	L Majoo,P Matebele
8343		**29C2RF02**	**A2 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Sun 07/05/23 08:45**	**Sun 07/05/23 12:00**	**8327**	
8344			Make out permit	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00		Operations
8345			Accept permit	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15	8344	L Majoo,P Matebele
8346			Carry out electrical isolation	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	8345	L Majoo,P Matebele
8347			Check loose connections in the panel	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	8346	L Majoo,P Matebele
8348			Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	8347	L Majoo,P Matebele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8349		Service Field isolator	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	8348	L Majoo,P Matebele
8350		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	8349	L Majoo,P Matebele
8351		Service safe start circuit	0.25 hrs	Sun 07/05/23 10:30	Sun 07/05/23 10:45	8350	L Majoo,P Matebele
8352		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 10:45	Sun 07/05/23 11:00	8351	L Majoo,P Matebele
8353		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	8352	L Majoo,P Matebele
8354		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	8353	L Majoo,P Matebele
8355		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	8354	L Majoo,P Matebele
8356		Clear permit	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	8355	L Majoo,P Matebele
8357	**29C2RF03**	**A3 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Sun 07/05/23 12:00**	**Sun 07/05/23 15:30**	**8343**	
8358		Make out permit	0.25 hrs	Sun 07/05/23 12:00	Sun 07/05/23 12:15		Operations
8359		Accept permit	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	8358	L Majoo,P Matebele
8360		Carry out Ash Electrical isolation	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	8359	L Majoo,P Matebele
8361		Check loose connections in the panel	0.25 hrs	Sun 07/05/23 13:00	Sun 07/05/23 13:15	8360	L Majoo,P Matebele
8362		Service panel components & Clear dust	0.25 hrs	Sun 07/05/23 13:15	Sun 07/05/23 13:30	8361	L Majoo,P Matebele
8363		Service Field isolator	0.25 hrs	Sun 07/05/23 13:30	Sun 07/05/23 13:45	8362	L Majoo,P Matebele
8364		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sun 07/05/23 13:45	Sun 07/05/23 14:00	8363	L Majoo,P Matebele
8365		Service safe start circuit	0.25 hrs	Sun 07/05/23 14:00	Sun 07/05/23 14:15	8364	L Majoo,P Matebele
8366		Inspect for possible Gear Box Seal leak	0.25 hrs	Sun 07/05/23 14:15	Sun 07/05/23 14:30	8365	L Majoo,P Matebele
8367		Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 14:30	Sun 07/05/23 14:45	8366	L Majoo,P Matebele
8368		Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 14:45	Sun 07/05/23 15:00	8367	L Majoo,P Matebele
8369		Confirm correct protection settings	0.25 hrs	Sun 07/05/23 15:00	Sun 07/05/23 15:15	8368	L Majoo,P Matebele
8370		Clear permit	0.25 hrs	Sun 07/05/23 15:15	Sun 07/05/23 15:30	8369	L Majoo,P Matebele
8371	**29C2RF04**	**A4 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**6 hrs**	**Mon 08/05/23 08:58**	**Mon 08/05/23 15:28**	**8310**	
8372		Make out permit	0.25 hrs	Mon 08/05/23 08:58	Mon 08/05/23 09:13		Operations
8373		Accept permit	0.25 hrs	Mon 08/05/23 09:13	Mon 08/05/23 09:28	8372	L Majoo,P Matebele
8374		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 09:28	Mon 08/05/23 09:43	8373	L Majoo,P Matebele
8375		Check loose connections in the panel	0.25 hrs	Mon 08/05/23 09:43	Mon 08/05/23 09:58	8374	L Majoo,P Matebele
8376		Service panel components & Clear dust	0.25 hrs	Mon 08/05/23 09:58	Mon 08/05/23 10:13	8375	L Majoo,P Matebele
8377		Service Field isolator	0.25 hrs	Mon 08/05/23 10:13	Mon 08/05/23 10:28	8376	L Majoo,P Matebele
8378		Remove old start-up siren	1 hr	Mon 08/05/23 10:28	Mon 08/05/23 11:28	8377	L Majoo,P Matebele
8379		Install new siren	2 hrs	Mon 08/05/23 11:28	Mon 08/05/23 13:58	8378	L Majoo,P Matebele
8380		Service safe start circuit	0.25 hrs	Mon 08/05/23 13:58	Mon 08/05/23 14:13	8379	L Majoo,P Matebele
8381		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 08/05/23 14:13	Mon 08/05/23 14:28	8380	L Majoo,P Matebele
8382		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 08/05/23 14:28	Mon 08/05/23 14:43	8381	L Majoo,P Matebele
8383		Seal for Moisture and dust.	0.25 hrs	Mon 08/05/23 14:43	Mon 08/05/23 14:58	8382	L Majoo,P Matebele
8384		Confirm correct protection settings	0.25 hrs	Mon 08/05/23 14:58	Mon 08/05/23 15:13	8383	L Majoo,P Matebele
8385		Clear permit	0.25 hrs	Mon 08/05/23 15:13	Mon 08/05/23 15:28	8384	L Majoo,P Matebele
8386	**29C2RF05**	**A5 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**6 hrs**	**Mon 08/05/23 15:28**	**Tue 09/05/23 10:28**	**8371**	
8387		Make out permit	0.25 hrs	Mon 08/05/23 15:28	Mon 08/05/23 15:43		Operations
8388		Accept permit	0.25 hrs	Mon 08/05/23 15:43	Mon 08/05/23 15:58	8387	L Majoo,P Matebele
8389		Carry out electrical isolation	0.25 hrs	Mon 08/05/23 15:58	Mon 08/05/23 16:13	8388	L Majoo,P Matebele
8390		Check loose connections in the panel	0.25 hrs	Mon 08/05/23 16:13	Mon 08/05/23 16:28	8389	L Majoo,P Matebele

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8391		Service panel components & Clear dust	0.25 hrs	Mon 08/05/23 16:28	Mon 08/05/23 16:43	8390	L Majoo,P Matebele
8392		Service Field isolator	0.25 hrs	Mon 08/05/23 16:43	Mon 08/05/23 16:58	8391	L Majoo,P Matebele
8393		Remove old start-up siren	1 hr	Mon 08/05/23 16:58	Mon 08/05/23 17:58	8392	L Majoo,P Matebele
8394		Install new siren	2 hrs	Mon 08/05/23 17:58	Tue 09/05/23 08:58	8393	L Majoo,P Matebele
8395		Service safe start circuit	0.25 hrs	Tue 09/05/23 08:58	Tue 09/05/23 09:13	8394	L Majoo,P Matebele
8396		Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 09/05/23 09:13	Tue 09/05/23 09:28	8395	L Majoo,P Matebele
8397		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 09/05/23 09:28	Tue 09/05/23 09:43	8396	L Majoo,P Matebele
8398		Seal for Moisture and dust.	0.25 hrs	Tue 09/05/23 09:43	Tue 09/05/23 09:58	8397	L Majoo,P Matebele
8399		Confirm correct protection settings	0.25 hrs	Tue 09/05/23 09:58	Tue 09/05/23 10:13	8398	L Majoo,P Matebele
8400		Clear permit	0.25 hrs	Tue 09/05/23 10:13	Tue 09/05/23 10:28	8399	L Majoo,P Matebele
8401	**29C2RF06**	**A6 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Tue 09/05/23 10:28**	**Tue 09/05/23 13:58**	**8386**	
8402		Make out permit	0.25 hrs	Tue 09/05/23 10:28	Tue 09/05/23 10:43		Operations
8403		Accept permit	0.25 hrs	Tue 09/05/23 10:43	Tue 09/05/23 10:58	8402	L Majoo,P Matebele
8404		Carry out Ash Electrical isolation	0.25 hrs	Tue 09/05/23 10:58	Tue 09/05/23 11:13	8403	L Majoo,P Matebele
8405		Check loose connections in the panel	0.25 hrs	Tue 09/05/23 11:13	Tue 09/05/23 11:28	8404	L Majoo,P Matebele
8406		Service panel components & Clear dust	0.25 hrs	Tue 09/05/23 11:28	Tue 09/05/23 11:43	8405	L Majoo,P Matebele
8407		Service Field isolator	0.25 hrs	Tue 09/05/23 11:43	Tue 09/05/23 11:58	8406	L Majoo,P Matebele
8408		Service safe start circuit	0.25 hrs	Tue 09/05/23 11:58	Tue 09/05/23 12:43	8407	L Majoo,P Matebele
8409		Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 09/05/23 12:43	Tue 09/05/23 12:58	8408	L Majoo,P Matebele
8410		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 09/05/23 12:58	Tue 09/05/23 13:13	8409	L Majoo,P Matebele
8411		Seal for Moisture and dust.	0.25 hrs	Tue 09/05/23 13:13	Tue 09/05/23 13:28	8410	L Majoo,P Matebele
8412		Confirm correct protection settings	0.25 hrs	Tue 09/05/23 13:28	Tue 09/05/23 13:43	8411	L Majoo,P Matebele
8413		Clear permit	0.25 hrs	Tue 09/05/23 13:43	Tue 09/05/23 13:58	8412	L Majoo,P Matebele
8414	**29C2RF08**	**A7 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Wed 03/05/23 11:45**	**Wed 03/05/23 15:15**	**8161**	
8415		Make out permit	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00		Operations
8416		Accept permit	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	8415	L Majoo,P Matebele
8417		Carry out electrical isolation	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	8416	L Majoo,P Matebele
8418		Check loose connections in the panel	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	8417	L Majoo,P Matebele
8419		Service panel components & Clear dust	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30	8418	L Majoo,P Matebele
8420		Service Field isolator	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	8419	L Majoo,P Matebele
8421		Service safe start circuit	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00	8420	L Majoo,P Matebele
8422		Inspect for possible Gear Box Seal leak	0.25 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:15	8421	L Majoo,P Matebele
8423		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 14:15	Wed 03/05/23 14:30	8422	L Majoo,P Matebele
8424		Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	8423	L Majoo,P Matebele
8425		Confirm correct protection settings	0.25 hrs	Wed 03/05/23 14:45	Wed 03/05/23 15:00	8424	L Majoo,P Matebele
8426		Clear permit	0.25 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:15	8425	L Majoo,P Matebele
8427	**29C2GP01**	**Compactor A Transfer Screw - Carry out maintenance on electrical components**	**3.5 hrs**	**Wed 03/05/23 15:15**	**Thu 04/05/23 07:45**	**8414**	
8428		Make out permit	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30		L Majoo
8429		Accept permit	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45	8428	L Majoo
8430		Carry out electrical isolation	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00	8429	L Majoo
8431		Check loose connections in the panel	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	8430	L Majoo
8432		Check Contactor contacts/soft starter connetions	0.25 hrs	Wed 03/05/23 16:15	Wed 03/05/23 16:30	8431	L Majoo

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8433			Confirm correct setting of protections	0.25 hrs	Wed 03/05/23 16:30	Wed 03/05/23 16:45	8432	L Majoo
8434			Service Stop/start	0.5 hrs	Wed 03/05/23 16:45	Wed 03/05/23 17:15	8433	L Majoo
8435			Check motor fan condition	0.5 hrs	Wed 03/05/23 17:15	Wed 03/05/23 17:45	8434	L Majoo
8436			Check cable terminal leads for over heating	0.25 hrs	Wed 03/05/23 17:45	Wed 03/05/23 18:00	8435	L Majoo
8437			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	8436	L Majoo
8438			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	8437	L Majoo
8439			Clear permit	0.25 hrs	Thu 04/05/23 07:30	Thu 04/05/23 07:45	8438	L Majoo
8440			**INSTRUMENTATION**	**31.5 hrs**	**Mon 17/04/23 10:30**	**Thu 20/04/23 10:30**	**6703**	
8441		**29C6F131**	**# A COMPACTOR LUBE OIL SYSTEM - inspect the system**	**17.75 hrs**	**Mon 17/04/23 10:30**	**Wed 19/04/23 07:15**		
8442			Make out permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Operations
8443			Accept permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	8442	Ash-Inst3,SS-Ash-Ins3
8444			Disconnect Inst (Comp)ruments	1 hr	Mon 17/04/23 11:00	Mon 17/04/23 12:00	8443	Ash-Inst3,SS-Ash-Ins3
8445			Clean flow sensors	2 hrs	Mon 17/04/23 12:30	Mon 17/04/23 14:30	8444	Ash-Inst3,SS-Ash-Ins3
8446			Inspect level switch	2 hrs	Mon 17/04/23 14:30	Mon 17/04/23 16:30	8445	Ash-Inst3,SS-Ash-Ins3
8447			Inspect temperature probe	12 hrs	Mon 17/04/23 16:30	Tue 18/04/23 18:00	8446	Ash-Inst3,SS-Ash-Ins3
8448			Clear permit	0.25 hrs	Wed 19/04/23 07:00	Wed 19/04/23 07:15	8447	Ash-Inst3,SS-Ash-Ins3
8449		**29C2PF01**	**# A HYDRAULIC SYSTEM - inspect charging and dumping system**	**3 hrs**	**Wed 19/04/23 07:15**	**Wed 19/04/23 10:15**	**8441**	
8450			Make out permit	0.25 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:30		Operations
8451			Accept permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	8450	Ash-Inst3,SS-Ash-Ins3
8452			Inspect Charging system	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	8451	Ash-Inst3,SS-Ash-Ins3
8453			Inspect dumping system	1 hr	Wed 19/04/23 08:45	Wed 19/04/23 09:45	8452	Ash-Inst3,SS-Ash-Ins3
8454			Clear permit	0.5 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:15	8453	Ash-Inst3,SS-Ash-Ins3
8455		**29C2GF07**	**# A1 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Mon 17/04/23 10:30**	**Mon 17/04/23 16:15**		
8456			Make out permit	0.25 hrs	Mon 17/04/23 10:30	Mon 17/04/23 10:45		Ash-Inst3,SS-Ash-Ins3
8457			Accept permit	0.25 hrs	Mon 17/04/23 10:45	Mon 17/04/23 11:00	8456	Ash-Inst3,SS-Ash-Ins3
8458			Inspect cylinder	1 hr	Mon 17/04/23 11:00	Mon 17/04/23 12:00	8457	Ash-Inst3,SS-Ash-Ins3
8459			Inspect solenoid valve	1 hr	Mon 17/04/23 12:30	Mon 17/04/23 13:30	8458	Ash-Inst3,SS-Ash-Ins3
8460			Possible repairs	2 hrs	Mon 17/04/23 13:30	Mon 17/04/23 15:30	8459	Ash-Inst3,SS-Ash-Ins3
8461			Test and commission	0.5 hrs	Mon 17/04/23 15:30	Mon 17/04/23 16:00	8460	Ash-Inst3,SS-Ash-Ins3
8462			Clear permit	0.25 hrs	Mon 17/04/23 16:00	Mon 17/04/23 16:15	8461	Ash-Inst3,SS-Ash-Ins3
8463		**29C2GF08**	**# A2 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Mon 17/04/23 16:15**	**Tue 18/04/23 10:30**	**8455**	
8464			Make out permit	0.25 hrs	Mon 17/04/23 16:15	Mon 17/04/23 16:30		Ash-Inst3,SS-Ash-Ins3
8465			Accept permit	0.25 hrs	Mon 17/04/23 16:30	Mon 17/04/23 16:45	8464	Ash-Inst3,SS-Ash-Ins3
8466			Inspect cylinder	1 hr	Mon 17/04/23 16:45	Mon 17/04/23 17:45	8465	Ash-Inst3,SS-Ash-Ins3
8467			Inspect solenoid valve	1 hr	Mon 17/04/23 17:45	Tue 18/04/23 07:45	8466	Ash-Inst3,SS-Ash-Ins3
8468			Possible repairs	2 hrs	Tue 18/04/23 07:45	Tue 18/04/23 09:45	8467	Ash-Inst3,SS-Ash-Ins3
8469			Test and commission	0.5 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:15	8468	Ash-Inst3,SS-Ash-Ins3
8470			Clear permit	0.25 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:30	8469	Ash-Inst3,SS-Ash-Ins3
8471		**29C2GF03**	**# A3 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Tue 18/04/23 10:30**	**Tue 18/04/23 16:15**	**8463**	
8472			Make out permit	0.25 hrs	Tue 18/04/23 10:30	Tue 18/04/23 10:45		Ash-Inst3,SS-Ash-Ins3
8473			Accept permit	0.25 hrs	Tue 18/04/23 10:45	Tue 18/04/23 11:00	8472	Ash-Inst3,SS-Ash-Ins3
8474			Inspect cylinder	1 hr	Tue 18/04/23 11:00	Tue 18/04/23 12:00	8473	Ash-Inst3,SS-Ash-Ins3
8475			Inspect solenoid valve	1 hr	Tue 18/04/23 12:30	Tue 18/04/23 13:30	8474	Ash-Inst3,SS-Ash-Ins3
8476			Possible repairs	2 hrs	Tue 18/04/23 13:30	Tue 18/04/23 15:30	8475	Ash-Inst3,SS-Ash-Ins3
8477			Test and commission	0.5 hrs	Tue 18/04/23 15:30	Tue 18/04/23 16:00	8476	Ash-Inst3,SS-Ash-Ins3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8478			Clear permit	0.25 hrs	Tue 18/04/23 16:00	Tue 18/04/23 16:15	8477	Ash-Inst3,SS-Ash-Ins3
8479		**29C2GF04**	**# A2 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Tue 18/04/23 16:15**	**Wed 19/04/23 10:30**	**8471**	
8480			Make out permit	0.25 hrs	Tue 18/04/23 16:15	Tue 18/04/23 16:30		Ash-Inst3,SS-Ash-Ins3
8481			Accept permit	0.25 hrs	Tue 18/04/23 16:30	Tue 18/04/23 16:45	8480	Ash-Inst3,SS-Ash-Ins3
8482			Inspect cylinder	1 hr	Tue 18/04/23 16:45	Tue 18/04/23 17:45	8481	Ash-Inst3,SS-Ash-Ins3
8483			Inspect solenoid valve	1 hr	Tue 18/04/23 17:45	Wed 19/04/23 07:45	8482	Ash-Inst3,SS-Ash-Ins3
8484			Possible repairs	2 hrs	Wed 19/04/23 07:45	Wed 19/04/23 09:45	8483	Ash-Inst3,SS-Ash-Ins3
8485			Test and commission	0.5 hrs	Wed 19/04/23 09:45	Wed 19/04/23 10:15	8484	Ash-Inst3,SS-Ash-Ins3
8486			Clear permit	0.25 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:30	8485	Ash-Inst3,SS-Ash-Ins3
8487		**29C2GF05**	**# A4 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Wed 19/04/23 10:30**	**Wed 19/04/23 16:15**	**8479**	
8488			Make out permit	0.25 hrs	Wed 19/04/23 10:30	Wed 19/04/23 10:45		Ash-Inst3,SS-Ash-Ins3
8489			Accept permit	0.25 hrs	Wed 19/04/23 10:45	Wed 19/04/23 11:00	8488	Ash-Inst3,SS-Ash-Ins3
8490			Inspect cylinder	1 hr	Wed 19/04/23 11:00	Wed 19/04/23 12:00	8489	Ash-Inst3,SS-Ash-Ins3
8491			Inspect solenoid valve	1 hr	Wed 19/04/23 12:30	Wed 19/04/23 13:30	8490	Ash-Inst3,SS-Ash-Ins3
8492			Possible repairs	2 hrs	Wed 19/04/23 13:30	Wed 19/04/23 15:30	8491	Ash-Inst3,SS-Ash-Ins3
8493			Test and commission	0.5 hrs	Wed 19/04/23 15:30	Wed 19/04/23 16:00	8492	Ash-Inst3,SS-Ash-Ins3
8494			Clear permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	8493	Ash-Inst3,SS-Ash-Ins3
8495		**29C2GF06**	**# A4 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Wed 19/04/23 16:15**	**Thu 20/04/23 10:30**	**8487**	
8496			Make out permit	0.25 hrs	Wed 19/04/23 16:15	Wed 19/04/23 16:30		Ash-Inst3,SS-Ash-Ins3
8497			Accept permit	0.25 hrs	Wed 19/04/23 16:30	Wed 19/04/23 16:45	8496	Ash-Inst3,SS-Ash-Ins3
8498			Inspect cylinder	1 hr	Wed 19/04/23 16:45	Wed 19/04/23 17:45	8497	Ash-Inst3,SS-Ash-Ins3
8499			Inspect solenoid valve	1 hr	Wed 19/04/23 17:45	Thu 20/04/23 07:45	8498	Ash-Inst3,SS-Ash-Ins3
8500			Possible repairs	2 hrs	Thu 20/04/23 07:45	Thu 20/04/23 09:45	8499	Ash-Inst3,SS-Ash-Ins3
8501			Test and commission	0.5 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:15	8500	Ash-Inst3,SS-Ash-Ins3
8502			Clear permit	0.25 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:30	8501	Ash-Inst3,SS-Ash-Ins3
8503		**Area 29C**	**COMPACTION - B LINE**	**285.5 hrs**	**Mon 17/04/23 06:30**	**Sun 14/05/23 09:00**		
8504			**OPERATIONS**	**121.75 hrs**	**Mon 17/04/23 06:30**	**Fri 28/04/23 13:45**		
8505			**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**	**2**	
8506			Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
8507		**Area 29C**	**# B COMPACTOR - Cleaning**	**30 hrs**	**Mon 17/04/23 08:30**	**Wed 19/04/23 20:00**	**8505**	
8508			Organize Hoses,	0 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:30		Operations
8509			Run System Empty(Hoppers & Bag House)	2 hrs	Mon 17/04/23 08:30	Mon 17/04/23 10:30	8508	Operations
8510			Issue Permit (Electrician To Remove Drive Units Under Speed Sensors And Cover Motors,Instruments To Isolate And Protect Nuclear Sources	2 hrs	Mon 17/04/23 10:30	Mon 17/04/23 13:00	8509	Elec (Ash)3,Comp-FT10,Inst (Ash)
8511			Remove all screen meshes	6 hrs	Mon 17/04/23 13:00	Tue 18/04/23 08:00	8510	Comp-FT10
8512			Isolate and protect nuclear sources	1 hr	Tue 18/04/23 08:00	Tue 18/04/23 09:00	8511	Elec (Ash)3
8513			Cover All Electrical Motors With Plastic& remove under speed sensors	2 hrs	Tue 18/04/23 09:00	Tue 18/04/23 11:00	8512	Operations
8514			Clean Compaction Plant	2 hrs	Tue 18/04/23 11:00	Tue 18/04/23 13:00	8513	Operations
8515			Allow Natural Drying	5 hrs	Tue 18/04/23 13:00	Tue 18/04/23 18:00	8514	Operations
8516			Put Back Under Speed Sensors	1 hr	Wed 19/04/23 07:00	Wed 19/04/23 08:00	8515	Elec (Ash)3,Comp-FT1
8517			Put back screen meshes	12 hrs	Wed 19/04/23 08:00	Wed 19/04/23 20:00	8516	Operations
8518			Clear permit	0.25 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:45		
8519			**# B COMPACTOR DUST EXTRACTION SYSTEM - Clear dust extraction system**	**73.75 hrs**	**Wed 19/04/23 20:00**	**Thu 27/04/23 07:15**	**8507**	
8520			Erect scaffodling prior	0 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:00		G Moeseraela,T Moloi

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8521			Make Out Permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15	8520	Operations
8522			Accept Permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8521	B Thuso,L Nakedi,S Tlou
8523			Break pipes	24 hrs	Thu 20/04/23 07:15	Sat 22/04/23 10:15	8522	B Thuso,L Nakedi,S Tlou
8524			Clear build up in pipes	30 hrs	Sat 22/04/23 10:15	Sun 23/04/23 16:15	8523	Operations
8525			Identify leaks and seal them	2.75 hrs	Sun 23/04/23 16:15	Mon 24/04/23 07:45	8524	Operations,B Thuso,L Nakedi,S Tlou
8526			Re install pipes	30 hrs	Mon 24/04/23 07:45	Wed 26/04/23 17:15	8525	B Thuso,L Nakedi,S Tlou
8527			House keeping	2 hrs	Wed 26/04/23 17:15	Wed 26/04/23 19:15	8526	Operations
8528			Clear permit	0.5 hrs	Wed 26/04/23 19:15	Thu 27/04/23 07:15	8527	Operations,B Thuso,L Nakedi,S Tlou
8529		**29C2FS02**	**# B LINE ASH SILO - Inspect & Clean Silo**	**16.5 hrs**	**Thu 27/04/23 07:15**	**Fri 28/04/23 13:45**	**8519**	
8530			Organize Hoses,	0 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:15		Operations
8531			Erect scaffolding prior	0 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:15	8530	G Moeseraela,T Moloi
8532			Empty silo	0 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:15	8531	Operations
8533			Issue Permit (To Remove Bottom & Side Covers)	0.25 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:30	8532	Operations
8534			Remove Bottom & Side Covers	6 hrs	Thu 27/04/23 07:30	Thu 27/04/23 14:00	8533	Comp-FT10
8535			Clean Silo Internally	8 hrs	Thu 27/04/23 14:00	Thu 27/04/23 22:00	8534	Operations
8536			Allow Silo To Dry Up(Naturally)	8 hrs	Thu 27/04/23 22:00	Fri 28/04/23 06:00	8535	Operations
8537			Box up silo	6 hrs	Fri 28/04/23 07:00	Fri 28/04/23 13:30	8536	Comp-FT10
8538			Clear permit	0.25 hrs	Fri 28/04/23 13:30	Fri 28/04/23 13:45	8537	Comp-FT10
8539			Dismantle scaffolding	0 hrs	Fri 28/04/23 13:45	Fri 28/04/23 13:45	8538	G Moeseraela,T Moloi
8540		**29C2FK01**	**# B DUST FILTER (COMPACTOR BAGHOUSE) - Rebagging baghouse**	**43 hrs**	**Mon 17/04/23 06:30**	**Fri 21/04/23 08:00**		
8541			Erect scaffolding prior for lagging	0 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:30		
8542			Make out permit	0.25 hrs	Mon 17/04/23 06:30	Mon 17/04/23 06:45	8541	Operations
8543			Accept permit	0.25 hrs	Mon 17/04/23 07:00	Mon 17/04/23 07:15	8542	SComp Ft4,B Thuso,L Nakedi,S Tlou
8544			Replace all air hoses and clamps	8 hrs	Mon 17/04/23 07:15	Mon 17/04/23 15:45	8543	SComp Ft4,B Thuso,L Nakedi,S Tlou
8545			Baghouse rebagging	24 hrs	Mon 17/04/23 15:45	Tue 18/04/23 15:45	8544	Operations
8546			Replace lagging	24 hrs	Tue 18/04/23 15:45	Fri 21/04/23 07:45	8545	RSC lagging
8547			Clear permit	0.25 hrs	Fri 21/04/23 07:45	Fri 21/04/23 08:00	8546	SComp Ft4,B Thuso,L Nakedi,S Tlou
8548			**MAINTENANCE STARTS**	**0 hrs**	**Wed 19/04/23 20:00**	**Wed 19/04/23 20:00**	**8507**	
8549			Maintenance jobs commence	0 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:00		
8550			**MECHANICAL**	**254 hrs**	**Wed 19/04/23 20:00**	**Sun 14/05/23 09:00**	**8548**	
8551		**29C2GN07**	**COMPACTION SCREENS - Remove mesh for cleaning in all screens**	**12.5 hrs**	**Wed 19/04/23 20:00**	**Fri 21/04/23 09:00**		
8552			Make out permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
8553			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8552	Comp-FT5,Comp-SSFT5
8554			Remove all mashes for cleaning on all Compaction screens	12 hrs	Thu 20/04/23 07:15	Fri 21/04/23 08:45	8553	Comp-FT5,Comp-SSFT5
8555			Clear permit	0.25 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:00	8554	Comp-FT5,Comp-SSFT5,Operations
8556		**29C2RL02**	**# B SCREW FEEDER - Overhaul Screw Feeder**	**50.25 hrs**	**Wed 19/04/23 20:00**	**Mon 24/04/23 15:45**		
8557			Make Out Permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
8558			Accept Permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8557	Comp-FT6,Comp-SSFT6
8559			Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	8558	Comp-FT6,Comp-SSFT6
8560			Remove Guards For The Drive Chain	0.5 hrs	Thu 20/04/23 07:30	Thu 20/04/23 08:00	8559	Comp-FT6,Comp-SSFT6
8561			Remove Guards For The V Belts	0.5 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:30	8560	Elec (Ash)2
8562			Slack And Remove The V Belts	1 hr	Thu 20/04/23 08:30	Thu 20/04/23 09:30	8561	Comp-FT6,Comp-SSFT6
8563			Remove The Screw Feeder Guards And Uncouple Screws From The Gearbox	3 hrs	Thu 20/04/23 09:30	Thu 20/04/23 13:00	8562	Comp-FT6,Comp-SSFT6

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8564			Loosen And Remove The Gearbox Mouting Bolts,Then Rig Out The Screw Feeder Gearbox	4 hrs	Thu 20/04/23 13:00	Thu 20/04/23 17:00	8563	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gabantogele
8565			Loosen And Remove All Mounting Bolts For The Screw Feeder	0.5 hrs	Thu 20/04/23 17:00	Thu 20/04/23 17:30	8564	Comp-FT6,Comp-SSFT6
8566			Lift And Support The Feed Hopper To Create Clearance	1 hr	Thu 20/04/23 17:30	Fri 21/04/23 07:30	8565	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8567			Rig Out The Screw Feeder And Transport To The Workshop After Washir	3 hrs	Fri 21/04/23 07:30	Fri 21/04/23 10:30	8566	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8568			Remove The Stuffing Box,Clean And Inspect For Wear,Then Replace	0.5 hrs	Fri 21/04/23 10:30	Fri 21/04/23 11:00	8567	Comp-FT6,Comp-SSFT6
8569			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Fri 21/04/23 11:00	Fri 21/04/23 15:15	8568	Comp-FT6,Comp-SSFT6
8570			Inspect The Screws And Housing For Wear	0.5 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:45	8569	Comp-FT6,Comp-SSFT6
8571			Remove stuffing boxes and machine	16 hrs	Fri 21/04/23 15:45	Sun 23/04/23 10:15	8570	Comp-FT6,Comp-SSFT6
8572			Repack The Stuffing Boxes And Replace The Gland Follower	1 hr	Sun 23/04/23 10:15	Sun 23/04/23 11:15	8571	Comp-FT6,Comp-SSFT6
8573			Inspect The Seal Plate Mounting Holes And Recondition	3 hrs	Sun 23/04/23 11:15	Sun 23/04/23 14:45	8572	Machinist,Comp-FT6,Comp-SSFT6
8574			Allign The Screws Such That The Key Ways Lie On The Same Plane(Timing Of Screws)	0.5 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:15	8573	Comp-FT6,Comp-SSFT6
8575			Tag Weld The Flat Bar On The Drive Side To Prevent Movement Of Screws During Transportation And Installation Nb,The Flat Bar Must Be Be Removed Once The Screw Feeder Is In Its Position	0.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:45	8574	M Ramatlhakeng,S Monna
8576			Transport To Site And Rig In Position And Secure	0.5 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:30	8575,8940	G Moeseraela,T Moloi,K Gabantogele
8577			Lower The Hopper And Secure	0.5 hrs	Mon 24/04/23 08:30	Mon 24/04/23 09:00	8576	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8578			Drain Oil In The Gearbox	1 hr	Mon 24/04/23 09:00	Mon 24/04/23 10:00	8577	Comp-FT6,Comp-SSFT6
8579			Replace Oil Seals	1 hr	Mon 24/04/23 10:00	Mon 24/04/23 11:00	8578	Comp-FT6,Comp-SSFT6
8580			Install The Gearbox And Align To The Screw Feeder Shafts,Then Secure	1 hr	Mon 24/04/23 11:00	Mon 24/04/23 12:00	8579	Comp-FT10,G Moeseraela,T Moloi,K Gabantogele
8581			Cut Off The Flat Bar And Couple The Gearbox To The Screw	0.5 hrs	Mon 24/04/23 12:30	Mon 24/04/23 13:00	8580	Comp-FT6,Comp-SSFT6,M Ramatlhakeng,S Monna
8582			Replace The Screw Guards	0.5 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:30	8581	Comp-FT6,Comp-SSFT6
8583			Align The Gearbox And Motor Pulleys	0.5 hrs	Mon 24/04/23 13:30	Mon 24/04/23 14:00	8582	Comp-FT6,Comp-SSFT6
8584			Install V Belts And Tension To The Correct Force And Deflection	0.5 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:30	8583	Comp-FT6,Comp-SSFT6
8585			Install V Belts Guard	0.5 hrs	Mon 24/04/23 14:30	Mon 24/04/23 15:00	8584	Comp-FT6,Comp-SSFT6
8586			Carry Out Housekeeping	0.25 hrs	Mon 24/04/23 15:00	Mon 24/04/23 15:15	8585	Comp-FT6,Comp-SSFT6
8587			Sign Off The Permit	0.25 hrs	Mon 24/04/23 15:15	Mon 24/04/23 15:30	8586	Comp-FT6,Comp-SSFT6
8588			Clear Permit	0.25 hrs	Mon 24/04/23 15:30	Mon 24/04/23 15:45	8587	Comp-FT6,Comp-SSFT6
8589		**29C2RM04**	**# B4 STAR FEEDER - Carry Out Inspection And Service**	**58.25 hrs**	**Mon 24/04/23 17:28**	**Sun 30/04/23 12:43**	**8549SS+4.3**	
8590			Prepare star feeder blades prior	0 hrs	Mon 24/04/23 17:28	Mon 24/04/23 17:28		
8591			Make Out Permit	0.25 hrs	Mon 24/04/23 17:28	Mon 24/04/23 17:43	8590	Operations
8592			Accept Permit	0.25 hrs	Mon 24/04/23 17:43	Mon 24/04/23 17:58	8591	Comp-FT1,Comp-SSFT1
8593			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 17:58	Tue 25/04/23 07:13	8592	Comp-FT1,Comp-SSFT1
8594			Loosen star feeder mounting bolts	1 hr	Tue 25/04/23 07:13	Tue 25/04/23 08:13	8593	Comp-FT1,Comp-SSFT1
8595			Remove all bolts and swing star feeder	3 hrs	Tue 25/04/23 08:13	Tue 25/04/23 11:13	8594	Comp-FT1,Comp-SSFT1,G Moeseraela,T Moloi
8596			Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Tue 25/04/23 11:13	Tue 25/04/23 11:43	8595	Comp-FT1,Comp-SSFT1
8597			Stop And swing back star feeder	1 hr	Tue 25/04/23 11:43	Tue 25/04/23 13:13	8596	Comp-FT1,Comp-SSFT1
8598			Install and tighten mounting bolts	2 hrs	Tue 25/04/23 13:13	Tue 25/04/23 15:13	8597	Comp-FT1,Comp-SSFT1
8599			Sign Off Permit If Everything Is In Order.	0.25 hrs	Tue 25/04/23 15:13	Tue 25/04/23 15:28	8598	Comp-FT1,Comp-SSFT1
8600			If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Tue 25/04/23 15:28	Tue 25/04/23 15:43	8599	Comp-FT1,Comp-SSFT1
8601			Loosen And Remove Guards	0.5 hrs	Tue 25/04/23 15:43	Tue 25/04/23 16:13	8600	Comp-FT1,Comp-SSFT1
8602			Disconnect geared unit	1 hr	Tue 25/04/23 16:13	Tue 25/04/23 17:13	8601	Elec

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8603			Remove the drive chain	1 hr	Tue 25/04/23 17:13	Wed 26/04/23 07:13	8602	Comp-FT1,Comp-SSFT1
8604			Support geared unit and remove mounting bolts	1.5 hrs	Wed 26/04/23 07:13	Wed 26/04/23 08:43	8603	Comp-FT1,Comp-SSFT1,G Moeseraela,T Moloi
8605			Rig out geared unit	1.5 hrs	Wed 26/04/23 08:43	Wed 26/04/23 10:13	8604	Comp-FT1,Comp-SSFT1,G Moeseraela,T Moloi
8606			Support star feeder	0.5 hrs	Wed 26/04/23 10:13	Wed 26/04/23 10:43	8605	Comp-FT1,Comp-SSFT1,G Moeseraela,T Moloi
8607			Rig out start feeder completely	1 hr	Wed 26/04/23 10:43	Wed 26/04/23 11:43	8606	O/H crane,Comp-FT1,Comp-SSFT1,G Moeseraela,T Mo
8608			Clean star feeder and transport to workshop	0.5 hrs	Wed 26/04/23 11:43	Wed 26/04/23 12:43	8607	Crane lorry,G Moeseraela,T Moloi
8609			Mark all the mating components	0.5 hrs	Wed 26/04/23 12:43	Wed 26/04/23 13:13	8608	Comp-FT1,Comp-SSFT1
8610			Strip star feeder	6 hrs	Wed 26/04/23 13:13	Thu 27/04/23 08:13	8609	Comp-FT1,Comp-SSFT1
8611			Inspect and measure all the components	1.5 hrs	Thu 27/04/23 08:13	Thu 27/04/23 09:43	8610	Comp-FT1,Comp-SSFT1
8612			Assemble star feeder	6 hrs	Thu 27/04/23 09:43	Thu 27/04/23 16:13	8611	Comp-FT1,Comp-SSFT1
8613			Carry out quality checks	0.5 hrs	Thu 27/04/23 16:13	Thu 27/04/23 16:43	8612	Comp-FT1,Comp-SSFT1
8614			Transport to plant	0.5 hrs	Sat 29/04/23 13:43	Sat 29/04/23 14:13	6815,8613	Comp-FT1,Comp-SSFT1
8615			Rig star feeder into place and mount	2.5 hrs	Sat 29/04/23 14:13	Sat 29/04/23 16:43	8614	O/H crane,Comp-FT1,Comp-SSFT1,G Moeseraela,T Mo
8616			Install geared unit	1 hr	Sat 29/04/23 16:43	Sat 29/04/23 17:43	8615	Comp-FT1,Comp-SSFT1
8617			Install drive chain	1 hr	Sat 29/04/23 17:43	Sun 30/04/23 07:43	8616	Comp-FT1,Comp-SSFT1
8618			Install guards	1 hr	Sun 30/04/23 07:43	Sun 30/04/23 08:43	8617	Comp-FT1,Comp-SSFT1
8619			Connect geared unit and verify direction	0.5 hrs	Sun 30/04/23 08:43	Sun 30/04/23 09:13	8618	Comp-FT1,Comp-SSFT1
8620			Box up	2 hrs	Sun 30/04/23 09:13	Sun 30/04/23 11:13	8619	Comp-FT1,Comp-SSFT1
8621			Lubricate drive chain	0.25 hrs	Sun 30/04/23 11:13	Sun 30/04/23 11:28	8620	Comp-FT1,Comp-SSFT1
8622			Carry Out House Keeping	0.5 hrs	Sun 30/04/23 11:28	Sun 30/04/23 11:58	8621	Comp-FT1,Comp-SSFT1
8623			Clear The Permit	0.25 hrs	Sun 30/04/23 11:58	Sun 30/04/23 12:43	8622	Comp-FT1,Comp-SSFT1
8624		**29C2GP02**	**# B COMPACTOR - Compactor overhaul**	**143.25 hrs**	**Wed 19/04/23 20:00**	**Wed 03/05/23 14:15**	**8548**	
8625			Make out permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
8626			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8625	B Thuso,L Nakedi,S Tlou
8627			Isolate radiation source and issue out vessel entry permit (feed hopper)	2 hrs	Thu 20/04/23 07:15	Thu 20/04/23 09:15	8626	Technician,Operations
8628			Clean compactor manually (vacuum)	16 hrs	Thu 20/04/23 09:15	Fri 21/04/23 01:15	8627	Operations
8629			Disconnect the hydraulic pack/flake breaker/screw feeder drives	2 hrs	Fri 21/04/23 07:00	Fri 21/04/23 09:00	8628	L Majoo,P Matebele
8630			Rig out cardan shafts	6 hrs	Fri 21/04/23 09:00	Fri 21/04/23 15:30	8629	B Thuso,L Nakedi,S Tlou,G Moeseraela,K Gabantogele
8631			Erect scaffolding on top of compactor to access dust extraction pipes	2 hrs	Fri 21/04/23 15:30	Fri 21/04/23 17:30	8630	G Moeseraela,T Moloi,K Gabantogele
8632			Remove dust extraction pipes	2 hrs	Fri 21/04/23 17:30	Sat 22/04/23 08:30	8631	B Thuso,L Nakedi,S Tlou,A.BM
8633			Dismantle scaffolding	1 hr	Sat 22/04/23 08:30	Sat 22/04/23 09:30	8632	G Moeseraela,T Moloi,K Gabantogele
8634			Remove hydraulic pack/flake breaker/screw feeder/bottom covers & oil pipes	6 hrs	Sat 22/04/23 09:30	Sat 22/04/23 16:00	8633	G Moeseraela,T Moloi,K Gabantogele,B Thuso,L Nakedi,S Tlou
8635			Erect scaffolding to access top covers and hydraulic cylinders	3 hrs	Sat 22/04/23 16:00	Sun 23/04/23 08:00	8634	G Moeseraela,K Gabantogele,T Moloi
8636			Remove top covers, hydraulic cylinders and remove & rig out	4 hrs	Sun 23/04/23 08:00	Sun 23/04/23 12:00	8635	B Thuso,L Nakedi,S Tlou,G Moeseraela,K Gabantogele
8637			Remove scraper	1 hr	Sun 23/04/23 12:30	Sun 23/04/23 13:30	8636	B Thuso,L Nakedi,S Tlou
8638			Undo frame bolts	2 hrs	Sun 23/04/23 13:30	Sun 23/04/23 15:30	8637	Reliability,Impact Wrench
8639			Dismantle front H-frames	4 hrs	Sun 23/04/23 15:30	Mon 24/04/23 08:30	8638	Reliability,B Thuso,L Nakedi,S Tlou,G Moeseraela,K Ga
8640			Rig out top roller complete 20 ton	2 hrs	Mon 24/04/23 08:30	Mon 24/04/23 10:30	8639	Reliability,B Thuso,L Nakedi,S Tlou,G Moeseraela,K Ga
8641			Clean with softener water	1 hr	Mon 24/04/23 10:30	Mon 24/04/23 11:30	8640	Operations
8642			Transport roller to vehicles workshop	1 hr	Mon 24/04/23 11:30	Mon 24/04/23 13:00	8641	G Moeseraela,K Gabantogele,T Moloi,Flatbed Truck,V
8643			Offload roller in the workshop	0.5 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:30	8642	Reliability,G Moeseraela,K Gabantogele,T Moloi,O_Cr
8644			Strip top roller and clean	10 hrs	Mon 24/04/23 13:30	Tue 25/04/23 13:00	8643	Reliability
8645			Inspect all components from top roller	1 hr	Tue 25/04/23 13:00	Tue 25/04/23 14:00	8644	Reliability
8646			Rig out bottom roller 20 ton	1 hr	Tue 25/04/23 14:00	Tue 25/04/23 15:00	8645	G Moeseraela,K Gabantogele,T Moloi,Reliability

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8647			Blank off pre-crusher with scaffold boards	0.5 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:30	8646	G Moeseraela,K Gabantogele,T Moloi
8648			Clean with softener water	1 hr	Tue 25/04/23 15:30	Tue 25/04/23 16:30	8647	G Moeseraela,K Gabantogele,T Moloi
8649			Transport bottom roller to vehicles workshop	1 hr	Tue 25/04/23 16:30	Tue 25/04/23 17:30	8648	G Moeseraela,K Gabantogele,T Moloi,Flatbed Truck,V
8650			Offload roller in the workshop	0.5 hrs	Tue 25/04/23 17:30	Tue 25/04/23 18:00	8649	G Moeseraela,K Gabantogele,T Moloi,Reliability,O_Cr
8651			Strip bottom roller and clean	10 hrs	Wed 26/04/23 07:00	Wed 26/04/23 17:30	8650	Reliability
8652			Erect scaffolding to clean compactor, frame and oil system	3 hrs	Wed 26/04/23 17:30	Thu 27/04/23 09:30	8651	G Moeseraela,K Gabantogele,T Moloi
8653			Inspect all components from bottom roller	1 hr	Thu 27/04/23 09:30	Thu 27/04/23 10:30	8652	Reliability
8654			Fit new seals, bearings and assemble bottom roller	8 hrs	Thu 27/04/23 10:30	Fri 28/04/23 08:00	8653	Reliability,B Thuso,L Nakedi,S Tlou,G Moeseraela,K Ga
8655			Transport bottom roller to plant	2 hrs	Fri 28/04/23 08:00	Fri 28/04/23 10:00	8654	G Moeseraela,K Gabantogele,T Moloi,Flatbed Truck
8656			Rig bottom roller into position	2 hrs	Fri 28/04/23 10:00	Fri 28/04/23 12:00	8655	Reliability,G Moeseraela,K Gabantogele,T Moloi,O_Cr
8657			Fit new seals, bearings and assemble top roller	16 hrs	Fri 28/04/23 12:30	Sat 29/04/23 18:00	8656	Reliability
8658			Transport top roller to plant	4 hrs	Sun 30/04/23 07:00	Sun 30/04/23 11:00	8657	G Moeseraela,K Gabantogele,T Moloi,Flatbed Truck
8659			Rig top roller into position	2 hrs	Sun 30/04/23 11:00	Sun 30/04/23 13:30	8658	Reliability,G Moeseraela,K Gabantogele,T Moloi,O_Cr
8660			Install the front H-frames	4 hrs	Sun 30/04/23 13:30	Sun 30/04/23 17:30	8659	B Thuso,L Nakedi,S Tlou,Reliability,G Moeseraela,K Ga
8661			Align and tighten bolts	4 hrs	Sun 30/04/23 17:30	Mon 01/05/23 10:30	8660	Reliability
8662			Assemble hydraulic cylinders	3 hrs	Mon 01/05/23 10:30	Mon 01/05/23 14:00	8661	B Thuso,L Nakedi,S Tlou
8663			Fit all covers and oil piping	4 hrs	Mon 01/05/23 14:00	Mon 01/05/23 18:00	8662	B Thuso,L Nakedi,S Tlou
8664			Reassemble screw feeder, flake crusher, hydraulic pack	2 hrs	Tue 02/05/23 07:00	Tue 02/05/23 09:00	8663	B Thuso,L Nakedi,S Tlou
8665			Rig in cardan shafts and box up	2 hrs	Tue 02/05/23 09:00	Tue 02/05/23 11:00	8664	B Thuso,L Nakedi,S Tlou,Reliability,G Moeseraela,K Ga
8666			Connect the hydraulic pack, flake crusher and star feeder	2 hrs	Tue 02/05/23 11:00	Tue 02/05/23 13:30	8665	L Majoo,P Matebele
8667			Activate radiation source	1 hr	Tue 02/05/23 13:30	Tue 02/05/23 14:30	8666	Instruments Tech
8668			Refill oil, flush system and check for leaks	12.5 hrs	Tue 02/05/23 14:30	Wed 03/05/23 11:30	8667	Reliability,Operations,B Thuso,L Nakedi,S Tlou
8669			Clear permit	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	8668	B Thuso,L Nakedi,S Tlou
8670			Remove all scaffolding	2 hrs	Wed 03/05/23 11:45	Wed 03/05/23 14:15	8669	G Moeseraela,K Gabantogele,T Moloi
8671		**29C2GP02**	**# B COMPACTOR GEARBOX - Send for bearing landings corrections**	**241 hrs**	**Wed 19/04/23 20:00**	**Fri 12/05/23 17:30**	**8548**	
8672			Organise an empty drum and a manual pump prior	0 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:00		Comp-FT8,Comp-SSFT8
8673			Make out permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15	8672	Operations
8674			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8673	Comp-FT8,Comp-SSFT8
8675			Remove guards (cardan shaft and v belts guard)	2 hrs	Thu 20/04/23 07:15	Thu 20/04/23 09:15	8674	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
8676			Disconnect the motor and mark the terminals	2 hrs	Thu 20/04/23 09:15	Thu 20/04/23 11:15	8675	Elec (Ash)1,Ins-Ash
8677			Remove vee belts	1 hr	Thu 20/04/23 11:15	Thu 20/04/23 12:45	8676	Comp-FT8,Comp-SSFT8
8678			Support the motor with an overhead crane	0.5 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:15	8677	G Moeseraela,T Moloi,K Gabantogele
8679			Loosen the motor mounting bolts and rig out the motor	1.5 hrs	Thu 20/04/23 13:15	Thu 20/04/23 14:45	8678	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
8680			Remove the input shaft pulley and the back plate for the guard	1.5 hrs	Thu 20/04/23 14:45	Thu 20/04/23 16:15	8679	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
8681			Support the top cardan shaft with an overhead crane	0 hrs	Thu 20/04/23 16:15	Thu 20/04/23 16:15	8680	G Moeseraela,T Moloi,K Gabantogele
8682			Remove all bolts and rig out the top cardan shaft	0 hrs	Thu 20/04/23 16:15	Thu 20/04/23 16:15	8681	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
8683			Rig out platform	2 hrs	Thu 20/04/23 16:15	Fri 21/04/23 07:15	8682	Comp-FT8,Comp-SSFT8,O/H crane,G Moeseraela,T Mo
8684			Drain gearbox oil	1 hr	Fri 21/04/23 07:15	Fri 21/04/23 08:15	8683	Comp-FT8,Comp-SSFT8
8685			Loosen and remove the gearbox mounting bolts	2 hrs	Fri 21/04/23 08:15	Fri 21/04/23 10:15	8684	Comp-FT8,Comp-SSFT8,Impact Wrench
8686			Rig out gearbox	8 hrs	Fri 21/04/23 10:15	Sat 22/04/23 07:45	8685	G Moeseraela,T Moloi,K Gabantogele
8687			Transport to Stores	0.5 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:15	8686	Reliability,Comp-FT8,Comp-SSFT8
8688			Transport gearbox to David Brown	3 days	Sat 22/04/23 08:15	Tue 25/04/23 13:15	8687	Stores
8689			Gearbox repairs	8 days	Tue 25/04/23 13:15	Thu 04/05/23 14:45	8688	David Brown
8690			Transport gearbox to site	3 days	Sat 06/05/23 17:45	Wed 10/05/23 11:15	8689,1466	Stores
8691			Install gearbox	12 hrs	Wed 10/05/23 11:15	Thu 11/05/23 13:15	8690	Comp-FT8,Comp-SSFT8,O/H crane,G Moeseraela,T Mo

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8692			Rig in platform	1 hr	Thu 11/05/23 13:15	Thu 11/05/23 14:15	8691	Comp-FT8,Comp-SSFT8,O/H crane,G Moeseraela,T M
8693			Replace the motor and align pulleys	2 hrs	Thu 11/05/23 14:15	Thu 11/05/23 16:15	8692	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
8694			Reconnect the motor	2 hrs	Thu 11/05/23 16:15	Fri 12/05/23 07:15	8693	Elec (Ash)1
8695			Install v belts SPC 22NX4000 and tension	1.5 hrs	Fri 12/05/23 07:15	Fri 12/05/23 08:45	8694	Comp-FT8,Comp-SSFT8
8696			Replace all guards	2 hrs	Fri 12/05/23 08:45	Fri 12/05/23 10:45	8695	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
8697			Open the inspection cover and refill oil to the correct level	2 hrs	Fri 12/05/23 10:45	Fri 12/05/23 13:15	8696	Comp-FT8,Comp-SSFT8
8698			Close the inspection cover	1 hr	Fri 12/05/23 13:15	Fri 12/05/23 14:15	8697	Comp-FT8,Comp-SSFT8
8699			Carry out housekeeping	3 hrs	Fri 12/05/23 14:15	Fri 12/05/23 17:15	8698	Comp-FT8,Comp-SSFT8
8700			Clear the permit	0.25 hrs	Fri 12/05/23 17:15	Fri 12/05/23 17:30	8699	Operations
8701		**29C2GF11**	**# B1 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.5 hrs**	**Wed 19/04/23 20:00**	**Fri 21/04/23 09:00**	**8507**	
8702			Make Out Permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
8703			Accept Permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8702	Comp-FT1,Comp-SSFT1
8704			Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	8703	Comp-FT1,Comp-SSFT1
8705			Remove Covers	0.5 hrs	Thu 20/04/23 07:30	Thu 20/04/23 08:00	8704	Comp-FT1,Comp-SSFT1
8706			Drain Gearbox Oil	0.5 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:30	8705	Comp-FT1,Comp-SSFT1
8707			Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Thu 20/04/23 08:30	Thu 20/04/23 09:30	8706	Comp-FT1,Comp-SSFT1
8708			Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Thu 20/04/23 09:30	Thu 20/04/23 10:00	8707	Comp-FT1,Comp-SSFT1
8709			Replace Cover Seal And Close The Reservoir	0.5 hrs	Thu 20/04/23 10:00	Thu 20/04/23 10:30	8708	Comp-FT1,Comp-SSFT1
8710			Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct Accordingly	1 hr	Thu 20/04/23 10:30	Thu 20/04/23 11:30	8709	Comp-FT1,Comp-SSFT1
8711			Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Thu 20/04/23 11:30	Thu 20/04/23 12:00	8710	Comp-FT1,Comp-SSFT1
8712			Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Thu 20/04/23 12:30	Thu 20/04/23 13:00	8711	Comp-FT1,Comp-SSFT1
8713			Grease All Bearings	1 hr	Thu 20/04/23 13:00	Thu 20/04/23 14:00	8712	Comp-FT1,Comp-SSFT1
8714			Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:30	8713	Comp-FT1,Comp-SSFT1
8715			Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Thu 20/04/23 14:30	Thu 20/04/23 16:30	8714	Comp-FT1,Comp-SSFT1
8716			Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Thu 20/04/23 16:30	Thu 20/04/23 17:00	8715	Comp-FT1,Comp-SSFT1
8717			Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Thu 20/04/23 17:00	Thu 20/04/23 18:00	8716	Comp-FT1,Comp-SSFT1
8718			Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:30	8717	Comp-FT1,Comp-SSFT1
8719			Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Fri 21/04/23 07:30	Fri 21/04/23 08:00	8718	Comp-FT1,Comp-SSFT1
8720			Apply Sealant And Close All Side Covers	0.5 hrs	Fri 21/04/23 08:00	Fri 21/04/23 08:30	8719	Comp-FT1,Comp-SSFT1
8721			Carry Out Housekeeping	0.25 hrs	Fri 21/04/23 08:30	Fri 21/04/23 08:45	8720	Comp-FT1,Comp-SSFT1
8722			Clear The Permit	0.25 hrs	Fri 21/04/23 08:45	Fri 21/04/23 09:00	8721	Comp-FT1,Comp-SSFT1
8723		**29C2GF15**	**# B1 FINE ROLLER CRUSHER - Replace Crusher**	**52.75 hrs**	**Wed 19/04/23 20:00**	**Tue 25/04/23 07:15**	**8549**	
8724			Issue permit to work	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
8725			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	8724	Fit (Fil)1,Boilermaker,Rigger
8726			Carry out risk assesment	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	8725	Rigger
8727			Remove Guards	2 hrs	Thu 20/04/23 07:30	Thu 20/04/23 09:30	8726	Comp-FT3,Comp-SSFT3
8728			Disconnect Motor	0.5 hrs	Thu 20/04/23 09:30	Thu 20/04/23 10:00	8727	electrician
8729			Support motor and loosen all mounting bolts	3.5 hrs	Thu 20/04/23 10:00	Thu 20/04/23 14:00	8728	Rigger,Comp-FT3,Comp-SSFT3
8730			Rig out motor	2 hrs	Thu 20/04/23 14:00	Thu 20/04/23 16:00	8729	Rigger
8731			Loosen upper chute bolts	2.5 hrs	Thu 20/04/23 16:00	Fri 21/04/23 07:30	8730	Fit (Fil)1,Boilermaker,Rigger
8732			Rig out upper chute	2.5 hrs	Fri 21/04/23 07:30	Fri 21/04/23 10:00	8731	Rigger

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8733			Loosen all crusher mounting bolts	2.5 hrs	Fri 21/04/23 10:00	Fri 21/04/23 13:00	8732	Comp-FT3,Comp-SSFT3
8734			Rig out the crusher	2.5 hrs	Fri 21/04/23 13:00	Fri 21/04/23 15:30	8733	Rigger
8735			Clean the crusher and transport to the workshop	1 hr	Fri 21/04/23 15:30	Fri 21/04/23 16:30	8734	Rigger,Comp-FT3,Comp-SSFT3
8736			Loosen bottom chute bolts	2.5 hrs	Fri 21/04/23 16:30	Sat 22/04/23 08:00	8735	Comp-FT3,Comp-SSFT3
8737			Rig out bottom chute	2.5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 10:30	8736	Rigger
8738			Clean the base	1 hr	Sat 22/04/23 10:30	Sat 22/04/23 11:30	8737	Fitter
8739			Modify the bottom chute mounting to suit the new assembly	8 hrs	Sat 22/04/23 11:30	Sun 23/04/23 09:00	8738	Boilermaker,Rigger,Fitter
8740			Rig in bottom chute	2 hrs	Sun 23/04/23 09:00	Sun 23/04/23 11:00	8739	Rigger,Fitter
8741			Rig in new crusher	3 hrs	Sun 23/04/23 11:00	Sun 23/04/23 14:30	8740	Rigger,Fitter
8742			Modify the top chute mounting to suit the new assembly	8 hrs	Sun 23/04/23 14:30	Mon 24/04/23 11:30	8741	Boilermaker,Rigger,Fitter
8743			Box up the new crusher	6 hrs	Mon 24/04/23 11:30	Mon 24/04/23 18:00	8742	Comp-FT3,Comp-SSFT3
8744			Clear The Permit	0.25 hrs	Tue 25/04/23 07:00	Tue 25/04/23 07:15	8743	S Tlou
8745		**29C2GF12**	**# B2 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.75 hrs**	**Fri 21/04/23 09:00**	**Sat 22/04/23 11:15**	**8701**	
8746			Issue permit to work	0.25 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:15		Operations
8747			Accept Permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	8746	Comp-FT1,Comp-SSFT1
8748			Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 09:30	Fri 21/04/23 09:45	8747	Comp-FT1,Comp-SSFT1
8749			Remove Covers	0.5 hrs	Fri 21/04/23 09:45	Fri 21/04/23 10:15	8748	Comp-FT1,Comp-SSFT1
8750			Drain Gearbox Oil	0.5 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:45	8749	Comp-FT1,Comp-SSFT1
8751			Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Fri 21/04/23 10:45	Fri 21/04/23 11:45	8750	Comp-FT1,Comp-SSFT1
8752			Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:45	8751	Comp-FT1,Comp-SSFT1
8753			Replace Cover Seal And Close The Reservoir	0.5 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:15	8752	Comp-FT1,Comp-SSFT1
8754			Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct Accordingly	1 hr	Fri 21/04/23 13:15	Fri 21/04/23 14:15	8753	Comp-FT1,Comp-SSFT1
8755			Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:45	8754	Comp-FT1,Comp-SSFT1
8756			Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:15	8755	Comp-FT1,Comp-SSFT1
8757			Grease All Bearings	1 hr	Fri 21/04/23 15:15	Fri 21/04/23 16:15	8756	Comp-FT1,Comp-SSFT1
8758			Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Fri 21/04/23 16:15	Fri 21/04/23 16:45	8757	Comp-FT1,Comp-SSFT1
8759			Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Fri 21/04/23 16:45	Sat 22/04/23 07:45	8758	Comp-FT1,Comp-SSFT1
8760			Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:15	8759	Comp-FT1,Comp-SSFT1
8761			Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Sat 22/04/23 08:15	Sat 22/04/23 09:15	8760	Comp-FT1,Comp-SSFT1
8762			Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:45	8761	Comp-FT1,Comp-SSFT1
8763			Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:15	8762	Comp-FT1,Comp-SSFT1
8764			Apply Sealant And Close All Side Covers	0.5 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:45	8763	Comp-FT1,Comp-SSFT1
8765			Carry Out Housekeeping	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	8764	Comp-FT1,Comp-SSFT1
8766			Clear The Permit	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	8765	Comp-FT1,Comp-SSFT1
8767		**29C2GF13**	**# B3 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.75 hrs**	**Sat 22/04/23 11:15**	**Sun 23/04/23 14:00**	**8745**	
8768			Make Out Permit	0.25 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:30		Operations
8769			Accept Permit	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45	8768	Comp-FT1,Comp-SSFT1
8770			Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	8769	Comp-FT1,Comp-SSFT1
8771			Remove Covers	0.5 hrs	Sat 22/04/23 12:30	Sat 22/04/23 13:00	8770	Comp-FT1,Comp-SSFT1
8772			Drain Gearbox Oil	0.5 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:30	8771	Comp-FT1,Comp-SSFT1
8773			Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Sat 22/04/23 13:30	Sat 22/04/23 14:30	8772	Comp-FT1,Comp-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8774			Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Sat 22/04/23 14:30	Sat 22/04/23 15:00	8773	Comp-FT1,Comp-SSFT1
8775			Replace Cover Seal And Close The Reservoir	0.5 hrs	Sat 22/04/23 15:00	Sat 22/04/23 15:30	8774	Comp-FT1,Comp-SSFT1
8776			Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct Accordingly	1 hr	Sat 22/04/23 15:30	Sat 22/04/23 16:30	8775	Comp-FT1,Comp-SSFT1
8777			Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Sat 22/04/23 16:30	Sat 22/04/23 17:00	8776	Comp-FT1,Comp-SSFT1
8778			Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Sat 22/04/23 17:00	Sat 22/04/23 17:30	8777	Comp-FT1,Comp-SSFT1
8779			Grease All Bearings	1 hr	Sat 22/04/23 17:30	Sun 23/04/23 07:30	8778	Comp-FT1,Comp-SSFT1
8780			Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Sun 23/04/23 07:30	Sun 23/04/23 08:00	8779	Comp-FT1,Comp-SSFT1
8781			Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Sun 23/04/23 08:00	Sun 23/04/23 10:00	8780	Comp-FT1,Comp-SSFT1
8782			Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Sun 23/04/23 10:00	Sun 23/04/23 10:30	8781	Comp-FT1,Comp-SSFT1
8783			Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Sun 23/04/23 10:30	Sun 23/04/23 11:30	8782	Comp-FT1,Comp-SSFT1
8784			Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Sun 23/04/23 11:30	Sun 23/04/23 12:00	8783	Comp-FT1,Comp-SSFT1
8785			Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Sun 23/04/23 12:30	Sun 23/04/23 13:00	8784	Comp-FT1,Comp-SSFT1
8786			Apply Sealant And Close All Side Covers	0.5 hrs	Sun 23/04/23 13:00	Sun 23/04/23 13:30	8785	Comp-FT1,Comp-SSFT1
8787			Carry Out Housekeeping	0.25 hrs	Sun 23/04/23 13:30	Sun 23/04/23 13:45	8786	Comp-FT1,Comp-SSFT1
8788			Clear The Permit	0.25 hrs	Sun 23/04/23 13:45	Sun 23/04/23 14:00	8787	Comp-FT1,Comp-SSFT1
8789		**29C2GF14**	**# B4 PRE-ROLLER CRUSHER – Carry out inspections and service**	**12.75 hrs**	**Sun 23/04/23 14:00**	**Mon 24/04/23 16:15**	**8767**	
8790			Make Out Permit	0.25 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:15		Operations
8791			Accept Permit	0.25 hrs	Sun 23/04/23 14:15	Sun 23/04/23 14:30	8790	Comp-FT1,Comp-SSFT1
8792			Carry Out Risk Assesment	0.25 hrs	Sun 23/04/23 14:30	Sun 23/04/23 14:45	8791	Comp-FT1,Comp-SSFT1
8793			Remove Covers	0.5 hrs	Sun 23/04/23 14:45	Sun 23/04/23 15:15	8792	Comp-FT1,Comp-SSFT1
8794			Drain Gearbox Oil	0.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 15:45	8793	Comp-FT1,Comp-SSFT1
8795			Open The Gearbox Cover And Clean The Gears With Degreaser	1 hr	Sun 23/04/23 15:45	Sun 23/04/23 16:45	8794	Comp-FT1,Comp-SSFT1
8796			Inspect Gears For Wear And Damage,Also Check The Key And Keyway For Wear And Damage,Replace If Necessary	0.5 hrs	Sun 23/04/23 16:45	Sun 23/04/23 17:15	8795	Comp-FT1,Comp-SSFT1
8797			Replace Cover Seal And Close The Reservoir	0.5 hrs	Sun 23/04/23 17:15	Sun 23/04/23 17:45	8796	Comp-FT1,Comp-SSFT1
8798			Remove The Pressure Spring And Knive Edge Block(Wedges),Check For Wear And Deformation Of Profiles On Wedges And Pillow Blocks,Then Correct Accordingly	1 hr	Sun 23/04/23 17:45	Mon 24/04/23 07:45	8797	Comp-FT1,Comp-SSFT1
8799			Check The Bush Bearings For Wear,Damage And Lubricate	0.5 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:15	8798	Comp-FT1,Comp-SSFT1
8800			Inspect The Threads On The Tensioning Shaft And Replace If Necessary	0.5 hrs	Mon 24/04/23 08:15	Mon 24/04/23 08:45	8799	Comp-FT1,Comp-SSFT1
8801			Grease All Bearings	1 hr	Mon 24/04/23 08:45	Mon 24/04/23 09:45	8800	Comp-FT1,Comp-SSFT1
8802			Check The Condition Of The Roller Flutes(Wear,Chipped And Direction)	0.5 hrs	Mon 24/04/23 09:45	Mon 24/04/23 10:15	8801	Comp-FT1,Comp-SSFT1
8803			Replace The Springs And Wedges,Then Set The Gap To 1.8Mm	2 hrs	Mon 24/04/23 10:15	Mon 24/04/23 12:45	8802	Comp-FT1,Comp-SSFT1
8804			Check The Condition Of The Scraper And Deflector Plates	0.5 hrs	Mon 24/04/23 12:45	Mon 24/04/23 13:15	8803	Comp-FT1,Comp-SSFT1
8805			Inspect The V Belts And Pulleys For Wear And Cracks,Then Replace If Necessary And Align	1 hr	Mon 24/04/23 13:15	Mon 24/04/23 14:15	8804	Comp-FT1,Comp-SSFT1
8806			Check The Air Cylinders For Leaks And Malfunction	0.5 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:45	8805	Comp-FT1,Comp-SSFT1
8807			Refill Oil To The Correct Level(Gengear 680)	0.5 hrs	Mon 24/04/23 14:45	Mon 24/04/23 15:15	8806	Comp-FT1,Comp-SSFT1
8808			Apply Sealant And Close All Side Covers	0.5 hrs	Mon 24/04/23 15:15	Mon 24/04/23 15:45	8807	Comp-FT1,Comp-SSFT1
8809			Carry Out Housekeeping	0.25 hrs	Mon 24/04/23 15:45	Mon 24/04/23 16:00	8808	Comp-FT1,Comp-SSFT1
8810			Clear The Permit	0.25 hrs	Mon 24/04/23 16:00	Mon 24/04/23 16:15	8809	Comp-FT1,Comp-SSFT1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8811		**29C2GK02**	**# B FEED HOPPER WITH STIRRERS (South) - Overhaul And Repair Base Plates Then Centralise Strainers**	**39.75 hrs**	**Fri 21/04/23 10:30**	**Tue 25/04/23 08:15**	**8567**	
8812			Make Out Permit	0.25 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:45		Operations
8813			Accept Permit	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	8812	Comp-FT6,Comp-SSFT6
8814			Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:15	8813	Comp-FT6,Comp-SSFT6
8815			Disconnect The Motors	0.5 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:45	8814	Elec (Ash)1
8816			Open The Inspection Cover And Perform Gas Test	0.5 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:45	8815	Comp-FT6,Lab,Comp-SSFT6
8817			Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:15	8816	Comp-FT6,Comp-SSFT6
8818			Support The Stirrers With A Chain Block	0.5 hrs	Fri 21/04/23 13:15	Fri 21/04/23 13:45	8817	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8819			Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Fri 21/04/23 13:45	Fri 21/04/23 14:15	8818	Comp-FT6,Comp-SSFT6
8820			Lower The Stirrers	0.5 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:45	8819	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8821			Support The Geared Unit With A Chain Block	0.5 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:15	8820	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8822			Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:45	8821	Comp-FT6,Comp-SSFT6
8823			Rig Out The Geared Unit And Transport To The Workshop	1 hr	Fri 21/04/23 15:45	Fri 21/04/23 16:45	8822	G Moeseraela,T Moloi,K Gabantogele
8824			Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:15	8823	Comp-FT6,Comp-SSFT6
8825			Press Out The Bearings From The Housing	2 hrs	Fri 21/04/23 17:15	Sat 22/04/23 08:15	8824	Comp-FT6,Comp-SSFT6
8826			Replace Bearings And Peck With New Grease	1 hr	Sat 22/04/23 08:15	Sat 22/04/23 09:15	8825	Comp-FT6,Comp-SSFT6
8827			Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plat	2 hrs	Sat 22/04/23 09:15	Sat 22/04/23 11:15	8826	Comp-FT6,Comp-SSFT6
8828			Replace Seals	1 hr	Sat 22/04/23 11:15	Sat 22/04/23 12:45	8827	Comp-FT6,Comp-SSFT6
8829			Attach The Assembly To The Geared Unit And Secure	1 hr	Sat 22/04/23 12:45	Sat 22/04/23 13:45	8828	Comp-FT6,Comp-SSFT6
8830			Transport To Site And Rig In Position And Secure	1 hr	Mon 24/04/23 15:45	Mon 24/04/23 16:45	8556,8829	G Moeseraela,T Moloi,K Gabantogele
8831			Couple The Stirrer And The Gearbox	1 hr	Mon 24/04/23 16:45	Mon 24/04/23 17:45	8830	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8832			Reconnect The Motor And Confirm The Direction	0.5 hrs	Mon 24/04/23 17:45	Tue 25/04/23 07:15	8831	Elec (Ash)1
8833			Close The Feed Hopper Bonnet	0.5 hrs	Tue 25/04/23 07:15	Tue 25/04/23 07:45	8832	Comp-FT6,Comp-SSFT6
8834			Carry Out Housekeeping	0.25 hrs	Tue 25/04/23 07:45	Tue 25/04/23 08:00	8833	Comp-FT6,Comp-SSFT6
8835			Clear Permit	0.25 hrs	Tue 25/04/23 08:00	Tue 25/04/23 08:15	8834	Comp-FT6,Comp-SSFT6
8836		**29C2GF16**	**# B2 FINE ROLLER CRUSHER - Replace Crusher**	**53 hrs**	**Sat 22/04/23 11:30**	**Thu 27/04/23 12:00**	**8738**	
8837			Issue permit to work	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45		ops
8838			Accept permit	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	8837	Fit (Fil)1,Boilermaker,Rigger
8839			Carry out risk assesment	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	8838	Rigger
8840			Remove Guards	2 hrs	Sat 22/04/23 12:45	Sat 22/04/23 14:45	8839	Comp-FT3,Comp-SSFT3
8841			Disconnect Motor	0.5 hrs	Sat 22/04/23 14:45	Sat 22/04/23 15:15	8840	electrician
8842			Support motor and loosen all mounting bolts	3.5 hrs	Sat 22/04/23 15:15	Sun 23/04/23 07:45	8841	Rigger,Comp-FT3,Comp-SSFT3
8843			Rig out motor	2 hrs	Sun 23/04/23 07:45	Sun 23/04/23 09:45	8842	Rigger
8844			Loosen upper chute bolts	2.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 12:45	8843	Fit (Fil)1,Boilermaker,Rigger
8845			Rig out upper chute	2.5 hrs	Sun 23/04/23 12:45	Sun 23/04/23 15:15	8844	Rigger
8846			Loosen all crusher mounting bolts	2.5 hrs	Sun 23/04/23 15:15	Sun 23/04/23 17:45	8845	Comp-FT3,Comp-SSFT3
8847			Rig out the crusher	2.5 hrs	Sun 23/04/23 17:45	Mon 24/04/23 09:15	8846	Rigger
8848			Clean the crusher and transport to the workshop	1 hr	Mon 24/04/23 09:15	Mon 24/04/23 10:15	8847	Rigger,Comp-FT3,Comp-SSFT3
8849			Loosen bottom chute bolts	2.5 hrs	Mon 24/04/23 10:15	Mon 24/04/23 13:15	8848	Comp-FT3,Comp-SSFT3
8850			Rig out bottom chute	2.5 hrs	Mon 24/04/23 13:15	Mon 24/04/23 15:45	8849	Rigger
8851			Clean the base	1 hr	Mon 24/04/23 15:45	Mon 24/04/23 16:45	8850	Fitter
8852			Modify the bottom chute mounting to suit the new assembly	8 hrs	Mon 24/04/23 16:45	Tue 25/04/23 14:15	8851	Boilermaker,Rigger,Fitter
8853			Rig in bottom chute	2 hrs	Tue 25/04/23 14:15	Tue 25/04/23 16:15	8852	Rigger,Fitter
8854			Rig in new crusher	3 hrs	Tue 25/04/23 16:15	Wed 26/04/23 08:15	8853	Rigger,Fitter

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8855			Modify the top chute mounting to suit the new assembly	8 hrs	Wed 26/04/23 08:15	Wed 26/04/23 16:45	8854	Boilermaker,Rigger,Fitter
8856			Box up the new crusher	6 hrs	Wed 26/04/23 16:45	Thu 27/04/23 11:45	8855	Comp-FT3,Comp-SSFT3
8857			Clear permit	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	8856	Operations,S Tlou
8858		**29C2GN07**	**# B1 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**12 hrs**	**Fri 21/04/23 09:00**	**Sat 22/04/23 10:30**	**8551**	
8859			Make Out Permit	0.25 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:15		Operations
8860			Accept Permit	0.25 hrs	Fri 21/04/23 09:15	Fri 21/04/23 09:30	8859	Comp-FT5,Comp-SSFT5
8861			Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 09:30	Fri 21/04/23 09:45	8860	Comp-FT5,Comp-SSFT5
8862			Remove Guards For The Drive Chain	0.5 hrs	Fri 21/04/23 09:45	Fri 21/04/23 10:15	8861	Comp-FT5,Comp-SSFT5
8863			Open The Bonnets And Front Cover	0.5 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:45	8862	Comp-FT5,Comp-SSFT5
8864			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:15	8863	Comp-FT5,Comp-SSFT5
8865			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Fri 21/04/23 11:15	Fri 21/04/23 12:45	8864	Comp-FT5,Comp-SSFT5
8866			Slack The Chain	0.5 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:15	8865	Comp-FT5,Comp-SSFT5
8867			Check The Profile Ledges And Replace If Ncessary	1 hr	Fri 21/04/23 13:15	Fri 21/04/23 14:15	8866	Comp-FT5,Comp-SSFT5
8868			Replace The Tensioning Ledges And Secure	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	8867	Comp-FT5,Comp-SSFT5
8869			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Fri 21/04/23 15:15	Fri 21/04/23 15:45	8868	Comp-FT5,Comp-SSFT5
8870			Check Beater Bars For Wear On The Journals	0.5 hrs	Fri 21/04/23 15:45	Fri 21/04/23 16:15	8869	Comp-FT5,Comp-SSFT5
8871			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Fri 21/04/23 16:15	Sat 22/04/23 07:15	8870	Comp-FT5,Comp-SSFT5
8872			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:45	8871	Comp-FT5,Comp-SSFT5
8873			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:15	8872	Comp-FT5,Comp-SSFT5
8874			Close The Rear Cover	0.5 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:45	8873	Comp-FT5,Comp-SSFT5
8875			Close The Front Cover	0.5 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:15	8874	Comp-FT5,Comp-SSFT5
8876			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:45	8875	Comp-FT5,Comp-SSFT5
8877			Stop The Screen And Colse All Covers	0.5 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:15	8876	Comp-FT5,Comp-SSFT5
8878			Clear Permit	0.25 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:30	8877	Comp-FT5,Comp-SSFT5
8879		**29C2GK02**	**# B FEED HOPPER WITH STIRRERS (North) - Overhaul And Repair Base Plates Then Centralise Strainers**	**37.5 hrs**	**Fri 21/04/23 16:45**	**Tue 25/04/23 11:45**	**8823**	
8880			Make Out Permit	0.25 hrs	Fri 21/04/23 16:45	Fri 21/04/23 17:00		Operations
8881			Accept Permit	0.25 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:15	8880	Comp-FT6,Comp-SSFT6
8882			Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	8881	Comp-FT6,Comp-SSFT6
8883			Disconnect The Motors	0.5 hrs	Fri 21/04/23 17:30	Fri 21/04/23 18:00	8882	Elec (Ash)1
8884			Open The Inspection Cover And Perform Gas Test	0.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:30	8883	Comp-FT6,Lab,Comp-SSFT6
8885			Remove The Feed Hopper Bonnet To Access The Stirrers	0.5 hrs	Sat 22/04/23 07:30	Sat 22/04/23 08:00	8884	Comp-FT6,Comp-SSFT6
8886			Support The Stirrers With A Chain Block	0.5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:30	8885	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8887			Uncouple The Stirrers By Removing The Spool Piece	0.5 hrs	Sat 22/04/23 08:30	Sat 22/04/23 09:00	8886	Comp-FT6,Comp-SSFT6
8888			Lower The Stirrers	0.5 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:30	8887	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8889			Support The Geared Unit With A Chain Block	0.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 10:00	8888	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8890			Loosen And Remove The Mounting Bolts For The Geared Units	0.5 hrs	Sat 22/04/23 10:00	Sat 22/04/23 10:30	8889	Comp-FT6,Comp-SSFT6
8891			Rig Out The Geared Unit And Transport To The Workshop	1 hr	Sat 22/04/23 10:30	Sat 22/04/23 11:30	8890	G Moeseraela,T Moloi,K Gabantogele
8892			Loosen The Locking Bolt And Extract The Circlip To Remove The Housing	0.5 hrs	Sat 22/04/23 11:30	Sat 22/04/23 12:00	8891	Comp-FT6,Comp-SSFT6
8893			Press Out The Bearings From The Housing	2 hrs	Sat 22/04/23 12:30	Sat 22/04/23 14:30	8892	Comp-FT6,Comp-SSFT6
8894			Replace Bearings And Peck With New Grease	1 hr	Sat 22/04/23 14:30	Sat 22/04/23 15:30	8893	Comp-FT6,Comp-SSFT6
8895			Install Bearing Assembly In The Housing,Insert Circlip And A Locking Plat	2 hrs	Sat 22/04/23 15:30	Sat 22/04/23 17:30	8894	Comp-FT6,Comp-SSFT6
8896			Replace Seals	1 hr	Sat 22/04/23 17:30	Sun 23/04/23 07:30	8895	Comp-FT6,Comp-SSFT6
8897			Attach The Assembly To The Geared Unit And Secure	1 hr	Sun 23/04/23 07:30	Sun 23/04/23 08:30	8896	Comp-FT6,Comp-SSFT6

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8898			Transport To Site And Rig In Position And Secure	1 hr	Tue 25/04/23 08:15	Tue 25/04/23 09:15	8811,8897	G Moeseraela,T Moloi,K Gabantogele
8899			Couple The Stirrer And The Gearbox	1 hr	Tue 25/04/23 09:15	Tue 25/04/23 10:15	8898	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi,K Gaba
8900			Reconnect The Motor And Confirm The Direction	0.5 hrs	Tue 25/04/23 10:15	Tue 25/04/23 10:45	8899	Elec (Ash)1
8901			Close The Feed Hopper Bonnet	0.5 hrs	Tue 25/04/23 10:45	Tue 25/04/23 11:15	8900	Comp-FT6,Comp-SSFT6
8902			Carry Out Housekeeping	0.25 hrs	Tue 25/04/23 11:15	Tue 25/04/23 11:30	8901	Comp-FT6,Comp-SSFT6
8903			Clear Permit	0.25 hrs	Tue 25/04/23 11:30	Tue 25/04/23 11:45	8902	Comp-FT6,Comp-SSFT6
8904		**29C2GN08**	**# B2 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**12 hrs**	**Sat 22/04/23 10:30**	**Sun 23/04/23 12:00**	**8858**	
8905			Make Out Permit	0.25 hrs	Sat 22/04/23 10:30	Sat 22/04/23 10:45		Operations
8906			Accept Permit	0.25 hrs	Sat 22/04/23 10:45	Sat 22/04/23 11:00	8905	Comp-FT5,Comp-SSFT5
8907			Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 11:00	Sat 22/04/23 11:15	8906	Comp-FT5,Comp-SSFT5
8908			Remove Guards For The Drive Chain	0.5 hrs	Sat 22/04/23 11:15	Sat 22/04/23 11:45	8907	Comp-FT5,Comp-SSFT5
8909			Open The Bonnets And Front Cover	0.5 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:45	8908	Comp-FT5,Comp-SSFT5
8910			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:15	8909	Comp-FT5,Comp-SSFT5
8911			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Sat 22/04/23 13:15	Sat 22/04/23 14:15	8910	Comp-FT5,Comp-SSFT5
8912			Slack The Chain	0.5 hrs	Sat 22/04/23 14:15	Sat 22/04/23 14:45	8911	Comp-FT5,Comp-SSFT5
8913			Check The Profile Ledges And Replace If Ncessary	1 hr	Sat 22/04/23 14:45	Sat 22/04/23 15:45	8912	Comp-FT5,Comp-SSFT5
8914			Replace The Tensioning Ledges And Secure	1 hr	Sat 22/04/23 15:45	Sat 22/04/23 16:45	8913	Comp-FT5,Comp-SSFT5
8915			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:15	8914	Comp-FT5,Comp-SSFT5
8916			Check Beater Bars For Wear On The Journals	0.5 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:45	8915	Comp-FT5,Comp-SSFT5
8917			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Sat 22/04/23 17:45	Sun 23/04/23 08:45	8916	Comp-FT5,Comp-SSFT5
8918			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Sun 23/04/23 08:45	Sun 23/04/23 09:15	8917	Comp-FT5,Comp-SSFT5
8919			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Sun 23/04/23 09:15	Sun 23/04/23 09:45	8918	Comp-FT5,Comp-SSFT5
8920			Close The Rear Cover	0.5 hrs	Sun 23/04/23 09:45	Sun 23/04/23 10:15	8919	Comp-FT5,Comp-SSFT5
8921			Close The Front Cover	0.5 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:45	8920	Comp-FT5,Comp-SSFT5
8922			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:15	8921	Comp-FT5,Comp-SSFT5
8923			Stop The Screen And Colse All Covers	0.5 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:45	8922	Comp-FT5,Comp-SSFT5
8924			Clear Permit	0.25 hrs	Sun 23/04/23 11:45	Sun 23/04/23 12:00	8923	Comp-FT5,Comp-SSFT5
8925		**29C2RE03**	**# B2 BELT CONVEYOR - Carry out inspections**	**8.25 hrs**	**Sat 22/04/23 11:30**	**Sun 23/04/23 09:15**	**8891**	
8926			Make Out Permit	0.25 hrs	Sat 22/04/23 11:30	Sat 22/04/23 11:45		Operations
8927			Accept Permit	0.25 hrs	Sat 22/04/23 11:45	Sat 22/04/23 12:00	8926	Comp-FT6,Comp-SSFT6
8928			Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	8927	Comp-FT6,Comp-SSFT6
8929			Replace All Defective Idlers	1 hr	Sat 22/04/23 12:45	Sat 22/04/23 13:45	8928	Comp-FT6,Comp-SSFT6
8930			Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Sat 22/04/23 13:45	Sat 22/04/23 15:45	8929	Comp-FT6,Comp-SSFT6
8931			Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:15	8930	Comp-FT6,Comp-SSFT6
8932			Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Sat 22/04/23 16:15	Sat 22/04/23 16:45	8931	Comp-FT6,Comp-SSFT6
8933			Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Sat 22/04/23 16:45	Sat 22/04/23 17:15	8932	Comp-FT6,Comp-SSFT6
8934			Clear The Permit And Obtain Test Run Permit	0.75 hrs	Sat 22/04/23 17:15	Sat 22/04/23 18:00	8933	Comp-FT6,Comp-SSFT6,Operations
8935			Run The Conveyor And Track It	2 hrs	Sat 22/04/23 18:00	Sun 23/04/23 08:00	8934	Comp-FT6,Comp-SSFT6,Operations
8936			Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Sun 23/04/23 08:00	Sun 23/04/23 08:15	8935	Comp-FT6,Comp-SSFT6
8937			Obtain A Permit To Work And Replace Guards	0.5 hrs	Sun 23/04/23 08:15	Sun 23/04/23 08:45	8936	Comp-FT6,Comp-SSFT6,Operations
8938			Carry Out Housekeeping	0.25 hrs	Sun 23/04/23 08:45	Sun 23/04/23 09:00	8937	Comp-FT6,Comp-SSFT6
8939			Clear Permit	0.25 hrs	Sun 23/04/23 09:00	Sun 23/04/23 09:15	8938	Operations
8940		**29C2RE04**	**# B2 BELT CONVEYOR - Carry out inspections**	**9.25 hrs**	**Sun 23/04/23 09:15**	**Mon 24/04/23 08:00**	**8925**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8941			Make Out Permit	0.25 hrs	Sun 23/04/23 09:15	Sun 23/04/23 09:30		Operations
8942			Accept Permit	0.25 hrs	Sun 23/04/23 09:30	Sun 23/04/23 09:45	8941	Comp-FT6,Comp-SSFT6
8943			Carry Out Risk Assesment	0.25 hrs	Sun 23/04/23 09:45	Sun 23/04/23 10:00	8942	Comp-FT6,Comp-SSFT6
8944			Replace All Defective Idlers	1 hr	Sun 23/04/23 10:00	Sun 23/04/23 11:00	8943	Comp-FT6,Comp-SSFT6
8945			Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Sun 23/04/23 11:00	Sun 23/04/23 13:30	8944	Comp-FT6,Comp-SSFT6
8946			Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Sun 23/04/23 13:30	Sun 23/04/23 14:00	8945	Comp-FT6,Comp-SSFT6
8947			Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:30	8946	Comp-FT6,Comp-SSFT6
8948			Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Sun 23/04/23 14:30	Sun 23/04/23 15:00	8947	Comp-FT6,Comp-SSFT6
8949			Clear The Permit And Obtain Test Run Permit	0.75 hrs	Sun 23/04/23 15:00	Sun 23/04/23 15:45	8948	Comp-FT6,Comp-SSFT6,Operations
8950			Run The Conveyor And Track It	2 hrs	Sun 23/04/23 15:45	Sun 23/04/23 17:45	8949	Comp-FT6,Comp-SSFT6,Operations
8951			Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Sun 23/04/23 17:45	Sun 23/04/23 18:00	8950	Comp-FT6,Comp-SSFT6
8952			Obtain A Permit To Work And Replace Guards	1 hr	Sun 23/04/23 18:00	Mon 24/04/23 07:30	8951	Comp-FT6,Comp-SSFT6,Operations
8953			Carry Out Housekeeping	0.25 hrs	Mon 24/04/23 07:30	Mon 24/04/23 07:45	8952	Comp-FT6,Comp-SSFT6
8954			Clear Permit	0.25 hrs	Mon 24/04/23 07:45	Mon 24/04/23 08:00	8953	Operations
8955		**29C2GN09**	**# B3 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**11.75 hrs**	**Sun 23/04/23 12:00**	**Mon 24/04/23 13:45**	**8904**	
8956			Make Out Permit	0.25 hrs	Sun 23/04/23 12:00	Sun 23/04/23 12:15		Operations
8957			Accept Permit	0.25 hrs	Sun 23/04/23 12:30	Sun 23/04/23 12:45	8956	Comp-FT5,Comp-SSFT5
8958			Carry Out Risk Assesment	0.25 hrs	Sun 23/04/23 12:45	Sun 23/04/23 13:00	8957	Comp-FT5,Comp-SSFT5
8959			Remove Guards For The Drive Chain	0.5 hrs	Sun 23/04/23 13:00	Sun 23/04/23 13:30	8958	Comp-FT5,Comp-SSFT5
8960			Open The Bonnets And Front Cover	0.5 hrs	Sun 23/04/23 13:30	Sun 23/04/23 14:00	8959	Comp-FT5,Comp-SSFT5
8961			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Sun 23/04/23 14:00	Sun 23/04/23 14:30	8960	Comp-FT5,Comp-SSFT5
8962			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Sun 23/04/23 14:30	Sun 23/04/23 15:30	8961	Comp-FT5,Comp-SSFT5
8963			Slack The Chain	0.5 hrs	Sun 23/04/23 15:30	Sun 23/04/23 16:00	8962	Comp-FT5,Comp-SSFT5
8964			Check The Profile Ledges And Replace If Ncessary	1 hr	Sun 23/04/23 16:00	Sun 23/04/23 17:00	8963	Comp-FT5,Comp-SSFT5
8965			Replace The Tensioning Ledges And Secure	1 hr	Sun 23/04/23 17:00	Sun 23/04/23 18:00	8964	Comp-FT5,Comp-SSFT5
8966			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Mon 24/04/23 07:00	Mon 24/04/23 07:30	8965	Comp-FT5,Comp-SSFT5
8967			Check Beater Bars For Wear On The Journals	0.5 hrs	Mon 24/04/23 07:30	Mon 24/04/23 08:00	8966	Comp-FT5,Comp-SSFT5
8968			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Mon 24/04/23 08:00	Mon 24/04/23 10:00	8967	Comp-FT5,Comp-SSFT5
8969			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Mon 24/04/23 10:00	Mon 24/04/23 10:30	8968	Comp-FT5,Comp-SSFT5
8970			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Mon 24/04/23 10:30	Mon 24/04/23 11:00	8969	Comp-FT5,Comp-SSFT5
8971			Close The Rear Cover	0.5 hrs	Mon 24/04/23 11:00	Mon 24/04/23 11:30	8970	Comp-FT5,Comp-SSFT5
8972			Close The Front Cover	0.5 hrs	Mon 24/04/23 11:30	Mon 24/04/23 12:00	8971	Comp-FT5,Comp-SSFT5
8973			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Mon 24/04/23 12:30	Mon 24/04/23 13:00	8972	Comp-FT5,Comp-SSFT5
8974			Stop The Screen And Colse All Covers	0.5 hrs	Mon 24/04/23 13:00	Mon 24/04/23 13:30	8973	Comp-FT5,Comp-SSFT5
8975			Clear Permit	0.25 hrs	Mon 24/04/23 13:30	Mon 24/04/23 13:45	8974	Comp-FT5,Comp-SSFT5
8976		**29C2GN10**	**# B4 PRIMARY VIBRATING SCREEN - Carry Out Inspection And Service**	**12 hrs**	**Mon 24/04/23 13:45**	**Tue 25/04/23 15:15**	**8955**	
8977			Make Out Permit	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00		Operations
8978			Accept Permit	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	8977	Comp-FT5,Comp-SSFT5
8979			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30	8978	Comp-FT5,Comp-SSFT5
8980			Remove Guards For The Drive Chain	0.5 hrs	Mon 24/04/23 14:30	Mon 24/04/23 15:00	8979	Comp-FT5,Comp-SSFT5
8981			Open The Bonnets And Front Cover	0.5 hrs	Mon 24/04/23 15:00	Mon 24/04/23 15:30	8980	Comp-FT5,Comp-SSFT5
8982			Open The Rear Cover And Clean The Screen With Compressed Air	0.5 hrs	Mon 24/04/23 15:30	Mon 24/04/23 16:00	8981	Comp-FT5,Comp-SSFT5
8983			Inspect The Screen Mesh For Holes And Physical Damage	1 hr	Mon 24/04/23 16:00	Mon 24/04/23 17:00	8982	Comp-FT5,Comp-SSFT5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
8984			Slack The Chain	0.5 hrs	Mon 24/04/23 17:00	Mon 24/04/23 17:30	8983	Comp-FT5,Comp-SSFT5
8985			Check The Profile Ledges And Replace If Ncessary	1 hr	Mon 24/04/23 17:30	Tue 25/04/23 07:30	8984	Comp-FT5,Comp-SSFT5
8986			Replace The Tensioning Ledges And Secure	1 hr	Tue 25/04/23 07:30	Tue 25/04/23 08:30	8985	Comp-FT5,Comp-SSFT5
8987			Inspect The Ultra Bushes For Cracks,Hardness And Loosenes	0.5 hrs	Tue 25/04/23 08:30	Tue 25/04/23 09:00	8986	Comp-FT5,Comp-SSFT5
8988			Check Beater Bars For Wear On The Journals	0.5 hrs	Tue 25/04/23 09:00	Tue 25/04/23 09:30	8987	Comp-FT5,Comp-SSFT5
8989			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	2 hrs	Tue 25/04/23 09:30	Tue 25/04/23 11:30	8988	Comp-FT5,Comp-SSFT5
8990			Check If The Chains Are Missing Or Broken And Replace If Necessary	0.5 hrs	Tue 25/04/23 11:30	Tue 25/04/23 12:00	8989	Comp-FT5,Comp-SSFT5
8991			Check The Cleaning Drive Bushes For Wear	0.5 hrs	Tue 25/04/23 12:30	Tue 25/04/23 13:00	8990	Comp-FT5,Comp-SSFT5
8992			Close The Rear Cover	0.5 hrs	Tue 25/04/23 13:00	Tue 25/04/23 13:30	8991	Comp-FT5,Comp-SSFT5
8993			Close The Front Cover	0.5 hrs	Tue 25/04/23 13:30	Tue 25/04/23 14:00	8992	Comp-FT5,Comp-SSFT5
8994			Test Run The Screen And Check The Vibration And Cleaning Drive Cycle	0.5 hrs	Tue 25/04/23 14:00	Tue 25/04/23 14:30	8993	Comp-FT5,Comp-SSFT5
8995			Stop The Screen And Colse All Covers	0.5 hrs	Tue 25/04/23 14:30	Tue 25/04/23 15:00	8994	Comp-FT5,Comp-SSFT5
8996			Clear Permit	0.25 hrs	Tue 25/04/23 15:00	Tue 25/04/23 15:15	8995	Comp-FT5,Comp-SSFT5
8997		**29C2RP03**	**# B1 BUCKET ELEVATOR - Replace gearbox, carry out inspections and NDT**	**30.75 hrs**	**Tue 25/04/23 11:45**	**Fri 28/04/23 11:00**	**8879**	
8998			Make Out Permit	0.25 hrs	Tue 25/04/23 11:45	Tue 25/04/23 12:00		Operations
8999			Accept Permit	0.25 hrs	Tue 25/04/23 12:30	Tue 25/04/23 12:45	8998	Comp-FT6,Comp-SSFT6
9000			Carry Out Risk Assesment	0.25 hrs	Tue 25/04/23 12:45	Tue 25/04/23 13:00	8999	Comp-FT6,Comp-SSFT6
9001			Disconnect motor	1 hr	Tue 25/04/23 13:00	Tue 25/04/23 14:00	9000	Elec
9002			Support geared unit	1.5 hrs	Tue 25/04/23 14:00	Tue 25/04/23 15:30	9001	Comp-FT6,Comp-SSFT6
9003			Loosen mounting bolts	1 hr	Tue 25/04/23 15:30	Tue 25/04/23 16:30	9002	Comp-FT6,Comp-SSFT6
9004			Press and rig out geared unit	3 hrs	Tue 25/04/23 16:30	Wed 26/04/23 08:30	9003	O/H crane,G Moeseraela,T Moloi
9005			Clean shaft and inspect	1 hr	Wed 26/04/23 08:30	Wed 26/04/23 09:30	9004	Comp-FT6,Comp-SSFT6
9006			Rig in new gearbox	2 hrs	Wed 26/04/23 09:30	Wed 26/04/23 11:30	9005	O/H crane,G Moeseraela,T Moloi
9007			Tighten mounting bolts	1 hr	Wed 26/04/23 11:30	Wed 26/04/23 13:00	9006	Comp-FT6,Comp-SSFT6
9008			Rig in motor	1 hr	Wed 26/04/23 13:00	Wed 26/04/23 14:00	9007	O/H crane,G Moeseraela,T Moloi
9009			Connect motor	0.5 hrs	Wed 26/04/23 14:00	Wed 26/04/23 14:30	9008	Elec
9010			Verify direction of rotation	0.25 hrs	Wed 26/04/23 14:30	Wed 26/04/23 14:45	9009	Comp-FT6,Comp-SSFT6
9011			Couple gearbox and motor	1 hr	Wed 26/04/23 14:45	Wed 26/04/23 15:45	9010	Comp-FT6,Comp-SSFT6
9012			Refill oil	0.5 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:15	9011	Comp-FT6,Comp-SSFT6
9013			Align and adjust vee belts to correct tension	1 hr	Wed 26/04/23 16:15	Wed 26/04/23 17:15	9012	Comp-FT6,Comp-SSFT6
9014			Install drive guards	0.5 hrs	Wed 26/04/23 17:15	Wed 26/04/23 17:45	9013	Comp-FT6,Comp-SSFT6
9015			Open The Inspection Doors	0.5 hrs	Wed 26/04/23 17:45	Thu 27/04/23 07:15	9014	Comp-FT6,Comp-SSFT6
9016			Carry out decontamination protocol	12 hrs	Tue 25/04/23 11:45	Wed 26/04/23 13:45		Nicholas
9017			Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:45	9015	Comp-FT6,Comp-SSFT6
9018			Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Thu 27/04/23 07:45	Thu 27/04/23 08:15	9017	Comp-FT6,Comp-SSFT6
9019			Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Thu 27/04/23 08:15	Thu 27/04/23 08:30	9018	Comp-FT6,Comp-SSFT6
9020			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 27/04/23 08:30	Thu 27/04/23 09:00	9019	Comp-FT6,Comp-SSFT6
9021			Secure The Elevator Using Latching	0.5 hrs	Thu 27/04/23 09:00	Thu 27/04/23 09:30	9020	Comp-FT6,Comp-SSFT6
9022			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 27/04/23 09:30	Thu 27/04/23 10:00	9021	Comp-FT6,Comp-SSFT6
9023			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:30	9022	Comp-FT6,Comp-SSFT6
9024			Replace Damaged Buckets	0.5 hrs	Thu 27/04/23 10:30	Thu 27/04/23 11:00	9023	Comp-FT6,Comp-SSFT6
9025			Remove Latching	0.5 hrs	Thu 27/04/23 11:00	Thu 27/04/23 11:30	9024	Comp-FT6,Comp-SSFT6

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9026		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Thu 27/04/23 11:30	Thu 27/04/23 15:45	9025	Comp-FT6,Comp-SSFT6
9027		Apply Sealant And Close The Doors	1 hr	Thu 27/04/23 15:45	Thu 27/04/23 16:45	9026	Comp-FT6,Comp-SSFT6
9028		Open Plummer Blocks And Clean Old Grease	1 hr	Thu 27/04/23 16:45	Thu 27/04/23 17:45	9027	Comp-FT6,Comp-SSFT6
9029		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Thu 27/04/23 17:45	Fri 28/04/23 07:45	9028	Comp-FT6,Comp-SSFT6
9030		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 28/04/23 07:45	Fri 28/04/23 08:15	9029	Comp-FT6,Comp-SSFT6
9031		Slack The V Belts And Replace With New Spb 1590X3	1 hr	Fri 28/04/23 08:15	Fri 28/04/23 09:15	9030	Comp-FT6,Comp-SSFT6
9032		Tension To The Correct Force And Deflection	0.5 hrs	Fri 28/04/23 09:15	Fri 28/04/23 09:45	9031	Comp-FT6,Comp-SSFT6
9033		Replace Guard And Secure	0.5 hrs	Fri 28/04/23 09:45	Fri 28/04/23 10:15	9032	Comp-FT6,Comp-SSFT6
9034		Remove decontamination controls	6 hrs	Wed 26/04/23 13:45	Thu 27/04/23 08:45	9016	Nicholas
9035		Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Fri 28/04/23 10:15	Fri 28/04/23 10:30	9033	Comp-FT6,Comp-SSFT6
9036		Carry Out Housekeeping	0.25 hrs	Fri 28/04/23 10:30	Fri 28/04/23 10:45	9035	Comp-FT6,Comp-SSFT6
9037		Clear Permit	0.25 hrs	Fri 28/04/23 10:45	Fri 28/04/23 11:00	9036	Operations
9038	**29C2GN11**	**# B1 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**16 hrs**	**Tue 25/04/23 15:15**	**Thu 27/04/23 09:45**	**8976**	
9039		Make Out Permit	0.25 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:30		Operations
9040		Accept Permit	0.25 hrs	Tue 25/04/23 15:30	Tue 25/04/23 15:45	9039	Comp-FT5,Comp-SSFT5
9041		Carry Out Risk Assesment	0.25 hrs	Tue 25/04/23 15:45	Tue 25/04/23 16:00	9040	Comp-FT5,Comp-SSFT5
9042		Disconnect All Coils(0.25/Headx14 Off)	2 hrs	Tue 25/04/23 16:00	Tue 25/04/23 18:00	9041	Elec (Ash)1
9043		Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	1 hr	Wed 26/04/23 07:00	Wed 26/04/23 08:00	9042	Comp-FT5,Comp-SSFT5
9044		Loosen And Remove The Square Bush (0.25/Head X 14)	1 hr	Wed 26/04/23 08:00	Wed 26/04/23 09:00	9043	Comp-FT5,Comp-SSFT5
9045		Remove The Coil And Put It Aside(0.25/Head X 14)	1 hr	Wed 26/04/23 09:00	Wed 26/04/23 10:00	9044	Comp-FT5,Comp-SSFT5
9046		Remove The Vibrating Heads(0.25/Head X 14)	1 hr	Wed 26/04/23 10:00	Wed 26/04/23 11:00	9045	Comp-FT5,Comp-SSFT5
9047		Clean The Vibrating Heads And Transport To Workshop	1 hr	Wed 26/04/23 11:00	Wed 26/04/23 12:00	9046	Comp-FT5,Comp-SSFT5
9048		Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	1 hr	Wed 26/04/23 12:30	Wed 26/04/23 13:30	9047	Comp-FT5,Comp-SSFT5
9049		Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Wed 26/04/23 13:30	Wed 26/04/23 14:00	9048	Comp-FT5,Comp-SSFT5
9050		Place The Housing On A Flat Surface	0 hrs	Wed 26/04/23 14:00	Wed 26/04/23 14:00	9049	Comp-FT5,Comp-SSFT5
9051		Install The Hammer Assembly On The Housing	1 hr	Wed 26/04/23 14:00	Wed 26/04/23 15:00	9050	Comp-FT5,Comp-SSFT5
9052		Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	1 hr	Wed 26/04/23 15:00	Wed 26/04/23 16:00	9051	Comp-FT5,Comp-SSFT5
9053		Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 1	1 hr	Wed 26/04/23 16:00	Wed 26/04/23 17:00	9052	Comp-FT5,Comp-SSFT5
9054		Transport To The Plant And Install Back In Position And Secure	1 hr	Wed 26/04/23 17:00	Wed 26/04/23 18:00	9053	Comp-FT5,Comp-SSFT5
9055		Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	1 hr	Thu 27/04/23 07:00	Thu 27/04/23 08:00	9054	Comp-FT5,Comp-SSFT5
9056		Reconnect The Coils	1 hr	Thu 27/04/23 08:00	Thu 27/04/23 09:00	9055	Elec (Ash)1
9057		Sign Off The Permit	0.25 hrs	Thu 27/04/23 09:00	Thu 27/04/23 09:15	9056	Comp-FT5,Comp-SSFT5
9058		Obtain Test Run Permi And Test The Screen	0.25 hrs	Thu 27/04/23 09:15	Thu 27/04/23 09:30	9057	Comp-FT5,Comp-SSFT5
9059		Clear Permit	0.25 hrs	Thu 27/04/23 09:30	Thu 27/04/23 09:45	9058	Operations
9060	**29C2RH05**	**# B1 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**22.25 hrs**	**Sun 30/04/23 07:30**	**Tue 02/05/23 08:45**	**7678**	
9061		Make Out Permit	0.25 hrs	Sun 30/04/23 07:30	Sun 30/04/23 07:45		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9062		Accept Permit	0.25 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:00	9061	Comp-FT7,Comp-SSFT7
9063		Carry Out Risk Assesment	0.25 hrs	Sun 30/04/23 08:00	Sun 30/04/23 08:15	9062	Comp-FT7,Comp-SSFT7
9064		Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Sun 30/04/23 08:15	Sun 30/04/23 14:45	9063	Comp-FT7,Comp-SSFT7
9065		Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Sun 30/04/23 14:45	Mon 01/05/23 09:15	9064	Comp-FT7,Comp-SSFT7
9066		Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Mon 01/05/23 09:15	Mon 01/05/23 11:15	9065	Comp-FT7,Comp-SSFT7
9067		Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Mon 01/05/23 11:15	Mon 01/05/23 13:45	9066	Comp-FT7,Comp-SSFT7
9068		Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Mon 01/05/23 13:45	Mon 01/05/23 15:45	9067	Comp-FT7,Comp-SSFT7
9069		Check For Cracks On The Tray And Repair Accordinly	1 hr	Mon 01/05/23 15:45	Mon 01/05/23 16:45	9068	Comp-FT7,Comp-SSFT7
9070		Loosen And Remove The Back Cover For The Coil	1 hr	Mon 01/05/23 16:45	Mon 01/05/23 17:45	9069	Comp-FT7,Comp-SSFT7
9071		Check The Springs For The Coil And Replace If Necessary	1 hr	Mon 01/05/23 17:45	Tue 02/05/23 07:45	9070	Comp-FT7,Comp-SSFT7
9072		Replace The Back Cover And Secure	0.5 hrs	Tue 02/05/23 07:45	Tue 02/05/23 08:15	9071	Comp-FT7,Comp-SSFT7
9073		Carry Out House Keeping	0.25 hrs	Tue 02/05/23 08:15	Tue 02/05/23 08:30	9072	Comp-FT7,Comp-SSFT7
9074		Clear Permit	0.25 hrs	Tue 02/05/23 08:30	Tue 02/05/23 08:45	9073	Operations
9075	**29C2GN12**	**# B2 SECONDARY VIBRATING SCREEN - Overhaul Bottom Deck**	**29.25 hrs**	**Thu 27/04/23 09:45**	**Sun 30/04/23 07:30**	**9038**	
9076		Make Out Permit	0.25 hrs	Thu 27/04/23 09:45	Thu 27/04/23 10:00		Operations
9077		Accept Permit	0.25 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:15	9076	Comp-FT5,Comp-SSFT5
9078		Carry Out Risk Assesment	0.25 hrs	Thu 27/04/23 10:15	Thu 27/04/23 10:30	9077	Comp-FT5,Comp-SSFT5
9079		Disconnect All Coils(0.25/Headx14 Off)	3.5 hrs	Thu 27/04/23 10:30	Thu 27/04/23 14:30	9078	Elec (Ash)2
9080		Loosen And Remove The Crank Arms To Uncounple The Head And The Beater Bar(0.25/Head X 14)	3.5 hrs	Thu 27/04/23 14:30	Thu 27/04/23 18:00	9079	Comp-FT5,Comp-SSFT5
9081		Loosen And Remove The Square Bush (0.25/Head X 14)	3.5 hrs	Fri 28/04/23 07:00	Fri 28/04/23 10:30	9080	Comp-FT5,Comp-SSFT5
9082		Remove The Coil And Put It Aside(0.25/Head X 14)	3.5 hrs	Fri 28/04/23 10:30	Fri 28/04/23 14:30	9081	Comp-FT5,Comp-SSFT5
9083		Remove The Vibrating Heads(0.25/Head X 14)	3.5 hrs	Fri 28/04/23 14:30	Fri 28/04/23 18:00	9082	Comp-FT5,Comp-SSFT5
9084		Clean The Vibrating Heads And Transport To Workshop	0.25 hrs	Sat 29/04/23 07:00	Sat 29/04/23 07:15	9083	Comp-FT5,Comp-SSFT5
9085		Separate The Hammer Assembly From The Housing And Clean The Old Grease(0.25/Head X 14)	3.5 hrs	Sat 29/04/23 07:15	Sat 29/04/23 10:45	9084	Comp-FT5,Comp-SSFT5
9086		Wash All The Components In Csd And Inspect The Hammer,Spring Assembly,Spring Support And Stem For Cracks,Wear And Physical Damage,Then Replace If Necessary	0.5 hrs	Sat 29/04/23 10:45	Sat 29/04/23 11:15	9085	Comp-FT5,Comp-SSFT5
9087		Place The Housing On A Flat Surface	0 hrs	Sat 29/04/23 11:15	Sat 29/04/23 11:15	9086	Comp-FT5,Comp-SSFT5
9088		Install The Hammer Assembly On The Housing	1 hr	Sat 29/04/23 11:15	Sat 29/04/23 12:45	9087	Comp-FT5,Comp-SSFT5
9089		Align The Hammer Using A Profile Gauge So That The Clearances Are Also Achieved At The Same Time,Then Secure The Hammer Assembly To The Base(0.25/Head X 14)	1 hr	Sat 29/04/23 12:45	Sat 29/04/23 13:45	9088	Comp-FT5,Comp-SSFT5
9090		Pack With Grease And Replace The Gasket And Stem Seal(0.25/Head X 1	1 hr	Sat 29/04/23 13:45	Sat 29/04/23 14:45	9089	Comp-FT5,Comp-SSFT5
9091		Transport To The Plant And Install Back In Position And Secure	1 hr	Sat 29/04/23 14:45	Sat 29/04/23 15:45	9090	Comp-FT5,Comp-SSFT5
9092		Connect The Vibrating Head To The Beater Bar Using Crank Arm At Correct Angle Of 90 Degrees	1 hr	Sat 29/04/23 15:45	Sat 29/04/23 16:45	9091	Comp-FT5,Comp-SSFT5
9093		Reconnect The Coils	1 hr	Sat 29/04/23 16:45	Sat 29/04/23 17:45	9092	Elec (Ash)2
9094		Sign Off The Permit	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	9093	Comp-FT5,Comp-SSFT5
9095		Obtain Test Run Permi And Test The Screen	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	9094	Comp-FT5,Comp-SSFT5
9096		Clear Permit	0.25 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:30	9095	Operations
9097	**29C2RP04**	**# B2 BUCKET ELEVATOR - Inspection And NDT**	**33.5 hrs**	**Fri 28/04/23 11:00**	**Mon 01/05/23 13:30**	**8997**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9098			Make Out Permit	0.25 hrs	Fri 28/04/23 11:00	Fri 28/04/23 11:15		Operations
9099			Accept Permit	0.25 hrs	Fri 28/04/23 11:15	Fri 28/04/23 11:30	9098	Comp-FT6,Comp-SSFT6
9100			Carry Out Risk Assesment	0.25 hrs	Fri 28/04/23 11:30	Fri 28/04/23 11:45	9099	Comp-FT6,Comp-SSFT6
9101			Open The Inspection Doors	0.5 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:45	9100	Comp-FT6,Comp-SSFT6
9102			Carry out decontamination protocol	12 hrs	Fri 28/04/23 12:45	Sat 29/04/23 14:15	9101	Nicholas
9103			Run The Chain To Identify Damaged Links,Buckets And Mark Them	0.5 hrs	Sat 29/04/23 14:15	Sat 29/04/23 14:45	9102	Comp-FT6,Comp-SSFT6
9104			Run The Chain To Position The Buckets That Are To Be Removed	0.5 hrs	Sat 29/04/23 14:45	Sat 29/04/23 15:15	9103	Comp-FT6,Comp-SSFT6
9105			Isolate The Bucket Elevator And Lock It, (Local Isolation)	0.25 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:30	9104	Comp-FT6,Comp-SSFT6
9106			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sat 29/04/23 15:30	Sat 29/04/23 16:00	9105	Comp-FT6,Comp-SSFT6
9107			Secure The Elevator Using Latching	0.5 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:30	9106	Comp-FT6,Comp-SSFT6
9108			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sat 29/04/23 16:30	Sat 29/04/23 17:00	9107	Comp-FT6,Comp-SSFT6
9109			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:30	9108	Comp-FT6,Comp-SSFT6
9110			Replace Damaged Buckets	0.5 hrs	Sat 29/04/23 17:30	Sat 29/04/23 18:00	9109	Comp-FT6,Comp-SSFT6
9111			Remove Latching	0.5 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:30	9110	Comp-FT6,Comp-SSFT6
9112			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,12&13 Until Completion Of The Task	3.75 hrs	Sun 30/04/23 07:30	Sun 30/04/23 11:15	9111	Comp-FT6,Comp-SSFT6
9113			Apply Sealant And Close The Doors	1 hr	Sun 30/04/23 11:15	Sun 30/04/23 12:45	9112	Comp-FT6,Comp-SSFT6
9114			Open Plummer Blocks And Clean Old Grease	1 hr	Sun 30/04/23 12:45	Sun 30/04/23 13:45	9113	Comp-FT6,Comp-SSFT6
9115			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sun 30/04/23 13:45	Sun 30/04/23 14:45	9114	Comp-FT6,Comp-SSFT6
9116			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sun 30/04/23 14:45	Sun 30/04/23 15:15	9115	Comp-FT6,Comp-SSFT6
9117			Slack The V Belts And Replace With New Spb 1590X3	1 hr	Sun 30/04/23 15:15	Sun 30/04/23 16:15	9116	Comp-FT6,Comp-SSFT6
9118			Tension To The Correct Force And Deflection	0.5 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:45	9117	Comp-FT6,Comp-SSFT6
9119			Replace Guard And Secure	0.5 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:15	9118	Comp-FT6,Comp-SSFT6
9120			Remove decontamination controls	6 hrs	Sun 30/04/23 17:15	Mon 01/05/23 12:45	9119	Nicholas
9121			Drain Gearbox Oil And Refill With New Gengear 220	0.25 hrs	Mon 01/05/23 12:45	Mon 01/05/23 13:00	9034,9120	Comp-FT6,Comp-SSFT6
9122			Carry Out Housekeeping	0.25 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:15	9121	Comp-FT6,Comp-SSFT6
9123			Clear Permit	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30	9122	Operations
9124		**29C2GP02**	**# B COMPACTOR (Transfer Screw) - Carry out inspection**	**3.25 hrs**	**Fri 12/05/23 17:30**	**Sat 13/05/23 09:45**	**8671**	
9125			Accept permit	0.25 hrs	Fri 12/05/23 17:30	Fri 12/05/23 17:45		Comp-FT8,Comp-SSFT8
9126			Carry out risk assesment	0.25 hrs	Fri 12/05/23 17:45	Fri 12/05/23 18:00	9125	Comp-FT8,Comp-SSFT8
9127			Remove top covers	0.5 hrs	Sat 13/05/23 07:00	Sat 13/05/23 07:30	9126	Comp-FT8,Comp-SSFT8
9128			Inspect screw for wear,physical damage and deformation	0.5 hrs	Sat 13/05/23 07:30	Sat 13/05/23 08:00	9127	Comp-FT8,Comp-SSFT8
9129			Apply sealant and replace top covers	0.5 hrs	Sat 13/05/23 08:00	Sat 13/05/23 08:30	9128	Comp-FT8,Comp-SSFT8
9130			Inspect flange bearings,lubricate with grease and replace if necessary	1 hr	Sat 13/05/23 08:30	Sat 13/05/23 09:30	9129	Comp-FT8,Comp-SSFT8
9131			Clear permit	0.25 hrs	Sat 13/05/23 09:30	Sat 13/05/23 09:45	9130	Operations
9132		**29C2GP02**	**# B COMPACTOR - (Distribution screw) Carry out inspection**	**9.75 hrs**	**Sat 13/05/23 09:45**	**Sun 14/05/23 09:00**	**9124**	
9133			Make out permit	0.25 hrs	Sat 13/05/23 09:45	Sat 13/05/23 10:00		Operations
9134			Accept permit	0.25 hrs	Sat 13/05/23 10:00	Sat 13/05/23 10:15	9133	B Thuso,L Nakedi,S Tlou
9135			Carry out risk assesment	0.25 hrs	Sat 13/05/23 10:15	Sat 13/05/23 10:30	9134	B Thuso,L Nakedi,S Tlou
9136			Remove top covers(Hood)	0.5 hrs	Sat 13/05/23 10:30	Sat 13/05/23 11:00	9135	Comp-FT10,B Thuso,L Nakedi,S Tlou
9137			Diconnect motor and mark the terminals	0.5 hrs	Sat 13/05/23 11:00	Sat 13/05/23 11:30	9136	Elec (Ash)1
9138			Remove oversize pipe	0.5 hrs	Sat 13/05/23 11:30	Sat 13/05/23 12:00	9137	Comp-FT10,B Thuso,L Nakedi,S Tlou
9139			Loosen mounting bolts and rig out the screw	1.75 hrs	Sat 13/05/23 12:30	Sat 13/05/23 14:15	9138	G Moeseraela,T Moloi,K Gabantogele
9140			Wash screw thoroughly and transport to the workshop	0.5 hrs	Sat 13/05/23 14:15	Sat 13/05/23 14:45	9139	Comp-FT10,B Thuso,L Nakedi,S Tlou

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9141			Open the top cover and inspect the screw for wear,physical damage and deformation	0.5 hrs	Sat 13/05/23 14:45	Sat 13/05/23 15:15	9140	Comp-FT10,B Thuso,L Nakedi,S Tlou
9142			Remove gearbox and change bearings	0.5 hrs	Sat 13/05/23 15:15	Sat 13/05/23 15:45	9141	Comp-FT10,B Thuso,L Nakedi,S Tlou
9143			Replace gearbox with a new one	0.5 hrs	Sat 13/05/23 15:45	Sat 13/05/23 16:15	9142	Comp-FT10,B Thuso,L Nakedi,S Tlou
9144			Transport to the site	0.5 hrs	Sat 13/05/23 16:15	Sat 13/05/23 16:45	9143	Comp-FT10,B Thuso,L Nakedi,S Tlou
9145			Rig in position	1.5 hrs	Sat 13/05/23 16:45	Sun 14/05/23 07:15	9144	G Moeseraela,T Moloi,K Gabantogele
9146			Reconnect the motor and check direction	0.5 hrs	Sun 14/05/23 07:15	Sun 14/05/23 07:45	9145	Elec (Ash)1
9147			Replace oversize pipe	0.5 hrs	Sun 14/05/23 07:45	Sun 14/05/23 08:15	9146	Comp-FT10,B Thuso,L Nakedi,S Tlou
9148			Replace the covers(Hood)	0.5 hrs	Sun 14/05/23 08:15	Sun 14/05/23 08:45	9147	Comp-FT10,B Thuso,L Nakedi,S Tlou
9149			Clear permit	0.25 hrs	Sun 14/05/23 08:45	Sun 14/05/23 09:00	9148	Operations
9150		**29C2RH06**	**# B2 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**21.75 hrs**	**Wed 19/04/23 20:00**	**Sat 22/04/23 07:45**		
9151			Make Out Permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
9152			Accept Permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15		Comp-FT7,Comp-SSFT7
9153			Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15		Comp-FT7,Comp-SSFT7
9154			Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Thu 20/04/23 07:15	Thu 20/04/23 13:45	9153	Comp-FT7,Comp-SSFT7
9155			Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Thu 20/04/23 13:45	Fri 21/04/23 08:15	9154	Comp-FT7,Comp-SSFT7
9156			Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 21/04/23 08:15	Fri 21/04/23 10:15	9155	Comp-FT7,Comp-SSFT7
9157			Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Fri 21/04/23 10:15	Fri 21/04/23 12:45	9156	Comp-FT7,Comp-SSFT7
9158			Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Fri 21/04/23 12:45	Fri 21/04/23 14:45	9157	Comp-FT7,Comp-SSFT7
9159			Check For Cracks On The Tray And Repair Accordinly	1 hr	Fri 21/04/23 14:45	Fri 21/04/23 15:45	9158	Comp-FT7,Comp-SSFT7
9160			Loosen And Remove The Back Cover For The Coil	1 hr	Fri 21/04/23 15:45	Fri 21/04/23 16:45	9159	Comp-FT7,Comp-SSFT7
9161			Check The Springs For The Coil And Replace If Necessary	1 hr	Fri 21/04/23 16:45	Fri 21/04/23 17:45	9160	Comp-FT7,Comp-SSFT7
9162			Replace The Back Cover And Secure	0.5 hrs	Fri 21/04/23 17:45	Sat 22/04/23 07:15	9161	Comp-FT7,Comp-SSFT7
9163			Carry Out House Keeping	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30	9162	Comp-FT7,Comp-SSFT7
9164			Clear Permit	0.25 hrs	Sat 22/04/23 07:30	Sat 22/04/23 07:45	9163	Operations
9165		**29C2RF10**	**# B2 CHAIN CONVEYOR - Thorough Inspection And Replace drive sprocket shaft**	**58.5 hrs**	**Mon 01/05/23 13:30**	**Sun 07/05/23 08:30**	**9097**	
9166			Make Out Permit	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45		Operations
9167			Accept Permit	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	9166	Comp-FT6,Comp-SSFT6
9168			Carry Out Risk Assesment	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	9167	Comp-FT6,Comp-SSFT6
9169			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:45	9168	Comp-FT6,Comp-SSFT6
9170			Remove drive guards	1 hr	Mon 01/05/23 14:45	Mon 01/05/23 15:45	9169	Comp-FT6,Comp-SSFT6
9171			Loosen motor mounting bolts and slack vee belts	0.5 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:15	9170	Comp-FT6,Comp-SSFT6
9172			Remove vee belts and rig out motor	2 hrs	Mon 01/05/23 16:15	Tue 02/05/23 07:15	9171	Comp-FT6,Comp-SSFT6,G Moeseraela,T Moloi
9173			Slack drag chain	0.5 hrs	Tue 02/05/23 07:15	Tue 02/05/23 07:45	9172	Comp-FT6,Comp-SSFT6
9174			Split drag chain to access drive shaft	1 hr	Tue 02/05/23 07:45	Tue 02/05/23 08:45	9173	Comp-FT6,Comp-SSFT6
9175			Loosen drive station mounting bolts	2 hrs	Tue 02/05/23 08:45	Tue 02/05/23 10:45	9174	Comp-FT6,Comp-SSFT6
9176			Drain gearbox oil	1 hr	Tue 02/05/23 10:45	Tue 02/05/23 11:45	9175	Comp-FT6,Comp-SSFT6
9177			Disconnect motor	0.5 hrs	Tue 02/05/23 11:45	Tue 02/05/23 12:45	9176	Elec
9178			Rig out drive station and gearbox	2 hrs	Tue 02/05/23 12:45	Tue 02/05/23 14:45	9177	Comp-FT6,Comp-SSFT6,M-Crane 7Ton,G Moeseraela,
9179			Clean and transport to workshop	1 hr	Tue 02/05/23 14:45	Tue 02/05/23 15:45	9178	Crane lorry,G Moeseraela,T Moloi
9180			Mark all mating components	0.5 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:15	9179	Workshop fitter

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9181			Strip drive station	4 hrs	Tue 02/05/23 16:15	Wed 03/05/23 09:15	9180	Workshop fitter
9182			Remove old shaft from gearbox	6 hrs	Wed 03/05/23 09:15	Wed 03/05/23 15:45	9181	Workshop fitter
9183			Clean gearbox and install new shaft	4 hrs	Wed 03/05/23 15:45	Thu 04/05/23 08:45	9182	Workshop fitter
9184			Assemble drive station	4 hrs	Thu 04/05/23 08:45	Thu 04/05/23 13:15	9183	Workshop fitter
9185			Install new bearings and mount	2.5 hrs	Thu 04/05/23 13:15	Thu 04/05/23 15:45	9184	Workshop fitter
9186			Carry out quality checks	0.25 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:00	9185	Workshop fitter
9187			Transport to the plant	0.5 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:30	9186	Crane lorry,G Moeseraela,T Moloi
9188			Rig in drive station	2 hrs	Thu 04/05/23 16:30	Fri 05/05/23 07:30	9187	Comp-FT6,Comp-SSFT6
9189			Install and tighten drive station mounting bolts	1.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:00	9188	Comp-FT6,Comp-SSFT6
9190			Join drag chain around drive sprocket	0.5 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:30	9189	Comp-FT6,Comp-SSFT6
9191			Install motor	1 hr	Fri 05/05/23 09:30	Fri 05/05/23 10:30	9190	Comp-FT6,Comp-SSFT6,M-Crane 7Ton,G Moeseraela,
9192			Connect motor	1 hr	Fri 05/05/23 10:30	Fri 05/05/23 11:30	9191	Elec
9193			Confirm drive direction	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45	9192	Elec,Comp-FT6,Comp-SSFT6
9194			Isolate drive	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	9193	Elec
9195			Replace vee belts (SPB 1900) and align	1.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 14:00	9194	Comp-FT6,Comp-SSFT6
9196			Install drive guard	1.5 hrs	Fri 05/05/23 14:00	Fri 05/05/23 15:30	9195	Comp-FT6,Comp-SSFT6
9197			Refill gearbox oil	0.5 hrs	Fri 05/05/23 15:30	Fri 05/05/23 16:00	9196	Comp-FT6,Comp-SSFT6
9198			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Fri 05/05/23 16:00	Fri 05/05/23 16:30	9197	Comp-FT6,Comp-SSFT6
9199			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Fri 05/05/23 16:30	Fri 05/05/23 17:00	9198	Comp-FT6,Comp-SSFT6
9200			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:30	9199	Comp-FT6,Comp-SSFT6
9201			Tension The Drag Chain	0.5 hrs	Fri 05/05/23 17:30	Fri 05/05/23 18:00	9200	Comp-FT6,Comp-SSFT6
9202			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	6 hrs	Sat 06/05/23 07:00	Sat 06/05/23 13:30	9201	Comp-FT6,Comp-SSFT6
9203			Apply Sealant And Close The Top Covers	1 hr	Sat 06/05/23 13:30	Sat 06/05/23 14:30	9202	Comp-FT6,Comp-SSFT6
9204			Open Plummer Blocks And Clean Old Grease	1 hr	Sat 06/05/23 14:30	Sat 06/05/23 15:30	9203	Comp-FT6,Comp-SSFT6
9205			Inspect The Bearings And Pack With New Grease Or Change If Necessary	2 hrs	Sat 06/05/23 15:30	Sat 06/05/23 17:30	9204	Comp-FT6,Comp-SSFT6
9206			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sat 06/05/23 17:30	Sat 06/05/23 18:00	9205	Comp-FT6,Comp-SSFT6
9207			Tension To The Correct Force And Deflection	0.5 hrs	Sun 07/05/23 07:00	Sun 07/05/23 07:30	9206	Comp-FT6,Comp-SSFT6
9208			Replace Guard And Secure	0.5 hrs	Sun 07/05/23 07:30	Sun 07/05/23 08:00	9207	Comp-FT6,Comp-SSFT6
9209			Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 08:00	Sun 07/05/23 08:15	9208	Comp-FT6,Comp-SSFT6
9210			Clear Permit	0.25 hrs	Sun 07/05/23 08:15	Sun 07/05/23 08:30	9209	Comp-FT6,Comp-SSFT6,Operations
9211		**29C2GU02**	**# B LUBRICATION UNIT - Service Lubrication Unit And Repair Oil Leaks**	**21.25 hrs**	**Wed 19/04/23 20:00**	**Sat 22/04/23 07:15**		
9212			Make out permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
9213			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	9212	Comp-FT8,Comp-SSFT8
9214			Carry out risk assement	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	9213	Comp-FT8,Comp-SSFT8
9215			Disconnect motor	1 hr	Thu 20/04/23 07:30	Thu 20/04/23 08:30	9214	Comp-FT8,Comp-SSFT8
9216			Rig out motor	0.5 hrs	Thu 20/04/23 08:30	Thu 20/04/23 09:00	9215	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
9217			Drain oil	2.5 hrs	Thu 20/04/23 09:00	Thu 20/04/23 11:30	9216	Comp-FT8,Comp-SSFT8
9218			Disconnect discharge pipe	1.5 hrs	Thu 20/04/23 11:30	Thu 20/04/23 13:30	9217	Comp-FT8,Comp-SSFT8
9219			Open top cover	0.5 hrs	Thu 20/04/23 13:30	Thu 20/04/23 14:00	9218	Comp-FT8,Comp-SSFT8
9220			Clean tank	3 hrs	Thu 20/04/23 14:00	Thu 20/04/23 17:00	9219	Comp-FT8,Comp-SSFT8
9221			Change lube oil pump	3 hrs	Thu 20/04/23 17:00	Fri 21/04/23 09:00	9220	Comp-FT8,Comp-SSFT8
9222			Box up	1 hr	Fri 21/04/23 09:00	Fri 21/04/23 10:00	9221	Comp-FT8,Comp-SSFT8
9223			Mount motor	0.5 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:30	9222	Comp-FT8,Comp-SSFT8

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9224		Connect motor	1 hr	Fri 21/04/23 10:30	Fri 21/04/23 11:30	9223	Comp-FT8,Comp-SSFT8
9225		Fill oil	1.5 hrs	Fri 21/04/23 11:30	Fri 21/04/23 13:30	9224	Comp-FT8,Comp-SSFT8
9226		Check direction	0.25 hrs	Fri 21/04/23 13:30	Fri 21/04/23 13:45	9225	Comp-FT8,Comp-SSFT8
9227		Flash system	2 hrs	Fri 21/04/23 13:45	Fri 21/04/23 15:45	9226	Comp-FT8,Comp-SSFT8
9228		Re clean sytem and top up oil	2 hrs	Fri 21/04/23 15:45	Fri 21/04/23 17:45	9227	Comp-FT8,Comp-SSFT8
9229		house keeping	0.5 hrs	Fri 21/04/23 17:45	Sat 22/04/23 07:15	9228	Comp-FT8,Comp-SSFT8
9230		Clear test run permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15		Comp-FT8,Comp-SSFT8
9231	**29C2RF12**	**# B4 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.25 hrs**	**Sun 30/04/23 07:30**	**Mon 01/05/23 11:15**	**9075**	
9232		Make Out Permit	0.25 hrs	Sun 30/04/23 07:30	Sun 30/04/23 07:45		Operations
9233		Accept Permit	0.25 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:00	9232	Comp-FT5,Comp-SSFT5
9234		Carry Out Risk Assesment	0.25 hrs	Sun 30/04/23 08:00	Sun 30/04/23 08:15	9233	Comp-FT5,Comp-SSFT5
9235		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sun 30/04/23 08:15	Sun 30/04/23 08:45	9234	Comp-FT5,Comp-SSFT5
9236		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sun 30/04/23 08:45	Sun 30/04/23 09:15	9235	Comp-FT5,Comp-SSFT5
9237		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sun 30/04/23 09:15	Sun 30/04/23 09:45	9236	Comp-FT5,Comp-SSFT5
9238		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sun 30/04/23 09:45	Sun 30/04/23 10:00	9237	Comp-FT5,Comp-SSFT5
9239		Slack The Chain	0.5 hrs	Sun 30/04/23 10:00	Sun 30/04/23 10:30	9238	Comp-FT5,Comp-SSFT5
9240		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sun 30/04/23 10:30	Sun 30/04/23 11:00	9239	Comp-FT5,Comp-SSFT5
9241		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sun 30/04/23 11:00	Sun 30/04/23 11:30	9240	Comp-FT5,Comp-SSFT5
9242		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sun 30/04/23 11:30	Sun 30/04/23 12:00	9241	Comp-FT5,Comp-SSFT5
9243		Tension The Drag Chain	0.5 hrs	Sun 30/04/23 12:30	Sun 30/04/23 13:00	9242	Comp-FT5,Comp-SSFT5
9244		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sun 30/04/23 13:00	Sun 30/04/23 16:15	9243	Comp-FT5,Comp-SSFT5
9245		Apply Sealant And Close The Top Covers	1 hr	Sun 30/04/23 16:15	Sun 30/04/23 17:15	9244	Comp-FT5,Comp-SSFT5
9246		Open Plummer Blocks And Clean Old Grease	1 hr	Sun 30/04/23 17:15	Mon 01/05/23 07:15	9245	Comp-FT5,Comp-SSFT5
9247		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Mon 01/05/23 07:15	Mon 01/05/23 08:15	9246	Comp-FT5,Comp-SSFT5
9248		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Mon 01/05/23 08:15	Mon 01/05/23 08:45	9247	Comp-FT5,Comp-SSFT5
9249		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Mon 01/05/23 08:45	Mon 01/05/23 09:45	9248	Comp-FT5,Comp-SSFT5
9250		Tension To The Correct Force And Deflection	0.5 hrs	Mon 01/05/23 09:45	Mon 01/05/23 10:15	9249	Comp-FT5,Comp-SSFT5
9251		Replace Guard And Secure	0.5 hrs	Mon 01/05/23 10:15	Mon 01/05/23 10:45	9250	Comp-FT5,Comp-SSFT5
9252		Carry Out Housekeeping	0.25 hrs	Mon 01/05/23 10:45	Mon 01/05/23 11:00	9251	Comp-FT5,Comp-SSFT5
9253		Clear Permit	0.25 hrs	Mon 01/05/23 11:00	Mon 01/05/23 11:15	9252	Operations
9254	**29C2RF13**	**# B5 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.25 hrs**	**Mon 01/05/23 11:15**	**Tue 02/05/23 15:30**	**9231**	
9255		Make Out Permit	0.25 hrs	Mon 01/05/23 11:15	Mon 01/05/23 11:30		Operations
9256		Accept Permit	0.25 hrs	Mon 01/05/23 11:30	Mon 01/05/23 11:45	9255	Comp-FT5,Comp-SSFT5
9257		Carry Out Risk Assesment	0.25 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:00	9256	Comp-FT5,Comp-SSFT5
9258		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Mon 01/05/23 12:30	Mon 01/05/23 13:00	9257	Comp-FT5,Comp-SSFT5
9259		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:30	9258	Comp-FT5,Comp-SSFT5
9260		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Mon 01/05/23 13:30	Mon 01/05/23 14:00	9259	Comp-FT5,Comp-SSFT5
9261		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	9260	Comp-FT5,Comp-SSFT5
9262		Slack The Chain	0.5 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:45	9261	Comp-FT5,Comp-SSFT5
9263		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:15	9262	Comp-FT5,Comp-SSFT5
9264		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:45	9263	Comp-FT5,Comp-SSFT5
9265		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:15	9264	Comp-FT5,Comp-SSFT5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9266			Tension The Drag Chain	0.5 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:45	9265	Comp-FT5,Comp-SSFT5
9267			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Mon 01/05/23 16:45	Tue 02/05/23 09:00	9266	Comp-FT5,Comp-SSFT5
9268			Apply Sealant And Close The Top Covers	1 hr	Tue 02/05/23 09:00	Tue 02/05/23 10:00	9267	Comp-FT5,Comp-SSFT5
9269			Open Plummer Blocks And Clean Old Grease	1 hr	Tue 02/05/23 10:00	Tue 02/05/23 11:00	9268	Comp-FT5,Comp-SSFT5
9270			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Tue 02/05/23 11:00	Tue 02/05/23 12:00	9269	Comp-FT5,Comp-SSFT5
9271			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Tue 02/05/23 12:30	Tue 02/05/23 13:00	9270	Comp-FT5,Comp-SSFT5
9272			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Tue 02/05/23 13:00	Tue 02/05/23 14:00	9271	Comp-FT5,Comp-SSFT5
9273			Tension To The Correct Force And Deflection	0.5 hrs	Tue 02/05/23 14:00	Tue 02/05/23 14:30	9272	Comp-FT5,Comp-SSFT5
9274			Replace Guard And Secure	0.5 hrs	Tue 02/05/23 14:30	Tue 02/05/23 15:00	9273	Comp-FT5,Comp-SSFT5
9275			Carry Out Housekeeping	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	9274	Comp-FT5,Comp-SSFT5
9276			Clear Permit	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30	9275	Operations
9277		**29C2RH07**	**# B3 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**22.25 hrs**	**Sat 22/04/23 07:45**	**Mon 24/04/23 09:00**	**9150**	
9278			Make Out Permit	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00		Operations
9279			Accept Permit	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15	9278	Comp-FT7,Comp-SSFT7
9280			Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	9279	Comp-FT7,Comp-SSFT7
9281			Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Sat 22/04/23 08:30	Sat 22/04/23 15:00	9280	Comp-FT7,Comp-SSFT7
9282			Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Sat 22/04/23 15:00	Sun 23/04/23 09:30	9281	Comp-FT7,Comp-SSFT7
9283			Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sun 23/04/23 09:30	Sun 23/04/23 11:30	9282	Comp-FT7,Comp-SSFT7
9284			Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Sun 23/04/23 11:30	Sun 23/04/23 14:00	9283	Comp-FT7,Comp-SSFT7
9285			Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Sun 23/04/23 14:00	Sun 23/04/23 16:00	9284	Comp-FT7,Comp-SSFT7
9286			Check For Cracks On The Tray And Repair Accordinly	1 hr	Sun 23/04/23 16:00	Sun 23/04/23 17:00	9285	Comp-FT7,Comp-SSFT7
9287			Loosen And Remove The Back Cover For The Coil	1 hr	Sun 23/04/23 17:00	Sun 23/04/23 18:00	9286	Comp-FT7,Comp-SSFT7
9288			Check The Springs For The Coil And Replace If Necessary	1 hr	Mon 24/04/23 07:00	Mon 24/04/23 08:00	9287	Comp-FT7,Comp-SSFT7
9289			Replace The Back Cover And Secure	0.5 hrs	Mon 24/04/23 08:00	Mon 24/04/23 08:30	9288	Comp-FT7,Comp-SSFT7
9290			Carry Out House Keeping	0.25 hrs	Mon 24/04/23 08:30	Mon 24/04/23 08:45	9289	Comp-FT7,Comp-SSFT7
9291			Clear Permit	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	9290	Operations
9292		**29C2RF15**	**# B7 CHAIN CONVEYOR - Thorough Inspection And Replace tail sprocket shaft**	**34.75 hrs**	**Tue 02/05/23 15:30**	**Sat 06/05/23 07:45**	**9254**	
9293			Make Out Permit	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45		Operations
9294			Accept Permit	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	9293	Comp-FT5,Comp-SSFT5
9295			Carry Out Risk Assesment	0.25 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:15	9294	Comp-FT5,Comp-SSFT5
9296			Loosen And Remove Top Covers To Access Chain Links	1.5 hrs	Tue 02/05/23 16:15	Tue 02/05/23 17:45	9295	Comp-FT5,Comp-SSFT5
9297			Loosen tail end station	1.5 hrs	Tue 02/05/23 17:45	Wed 03/05/23 08:15	9296	Comp-FT5,Comp-SSFT5
9298			Break the drag chain to access tail end station	1.5 hrs	Wed 03/05/23 08:15	Wed 03/05/23 09:45	9297	Comp-FT5,Comp-SSFT5
9299			Rig out tail station	2 hrs	Wed 03/05/23 09:45	Wed 03/05/23 11:45	9298	O/H crane,G Moeseraela,T Moloi
9300			Transport to the workshop	0.5 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:45	9299	Crane lorry,G Moeseraela,T Moloi
9301			Mark mating components	0.5 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:15	9300	Comp-FT5,Comp-SSFT5
9302			Strip tail	2 hrs	Wed 03/05/23 13:15	Wed 03/05/23 15:15	9301	Comp-FT5,Comp-SSFT5
9303			Remove sprocket from old shaft	1.5 hrs	Wed 03/05/23 15:15	Wed 03/05/23 16:45	9302	Comp-FT5,Comp-SSFT5
9304			Install sprocket on new shaft	1.5 hrs	Wed 03/05/23 16:45	Thu 04/05/23 07:15	9303	Comp-FT5,Comp-SSFT5
9305			Assemble tail end station	2 hrs	Thu 04/05/23 07:15	Thu 04/05/23 09:15	9304	Comp-FT5,Comp-SSFT5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9306			Install new bearings and dust seals	1.5 hrs	Thu 04/05/23 09:15	Thu 04/05/23 10:45	9305	Comp-FT5,Comp-SSFT5
9307			Carry out quality checks	0.5 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:15	9306	Comp-FT5,Comp-SSFT5
9308			Transport to the plant	0.5 hrs	Thu 04/05/23 11:15	Thu 04/05/23 11:45	9307	Crane lorry,G Moeseraela,T Moloi
9309			Rig in tail end station	1.5 hrs	Thu 04/05/23 11:45	Thu 04/05/23 13:45	9308	O/H crane,G Moeseraela,T Moloi
9310			Install tail end station mounting bolts and tighten	2 hrs	Thu 04/05/23 13:45	Thu 04/05/23 15:45	9309	Comp-FT5,Comp-SSFT5
9311			Join the drag chain	0.5 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:15	9310	Comp-FT5,Comp-SSFT5
9312			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 04/05/23 16:15	Thu 04/05/23 16:45	9311	Comp-FT5,Comp-SSFT5
9313			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 04/05/23 16:45	Thu 04/05/23 17:15	9312	Comp-FT5,Comp-SSFT5
9314			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 04/05/23 17:15	Thu 04/05/23 17:45	9313	Comp-FT5,Comp-SSFT5
9315			Tension The Drag Chain	0.5 hrs	Thu 04/05/23 17:45	Fri 05/05/23 07:15	9314	Comp-FT5,Comp-SSFT5
9316			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	5 hrs	Fri 05/05/23 07:15	Fri 05/05/23 12:45	9315	Comp-FT5,Comp-SSFT5
9317			Apply Sealant And Close The Top Covers	1 hr	Fri 05/05/23 12:45	Fri 05/05/23 13:45	9316	Comp-FT5,Comp-SSFT5
9318			Open Plummer Blocks And Clean Old Grease	1 hr	Fri 05/05/23 13:45	Fri 05/05/23 14:45	9317	Comp-FT5,Comp-SSFT5
9319			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Fri 05/05/23 14:45	Fri 05/05/23 15:45	9318	Comp-FT5,Comp-SSFT5
9320			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 05/05/23 15:45	Fri 05/05/23 16:15	9319	Comp-FT5,Comp-SSFT5
9321			Slack The V Belts And Replace With New Spb 1900X3	1 hr	Fri 05/05/23 16:15	Fri 05/05/23 17:15	9320	Comp-FT5,Comp-SSFT5
9322			Tension To The Correct Force And Deflection	0.5 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:45	9321	Comp-FT5,Comp-SSFT5
9323			Replace Guard And Secure	0.5 hrs	Fri 05/05/23 17:45	Sat 06/05/23 07:15	9322	Comp-FT5,Comp-SSFT5
9324			Carry Out Housekeeping	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	9323	Comp-FT5,Comp-SSFT5
9325			Clear Permit	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	9324	Comp-FT5,Comp-SSFT5
9326		**29C2RH08**	**# B4 VIBRATING DISTRIBUTOR - Inspection And Repairs (Slings,Shackles,Eye Bolts Etc)**	**22.25 hrs**	**Mon 24/04/23 09:00**	**Wed 26/04/23 10:15**	**9277**	
9327			Make Out Permit	0.25 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:15		Operations
9328			Accept Permit	0.25 hrs	Mon 24/04/23 09:15	Mon 24/04/23 09:30	9327	Comp-FT7,Comp-SSFT7
9329			Carry Out Risk Assesment	0.25 hrs	Mon 24/04/23 09:30	Mon 24/04/23 09:45	9328	Comp-FT7,Comp-SSFT7
9330			Loosen Clamps And Remove Torn Rubber Bellows	6 hrs	Mon 24/04/23 09:45	Mon 24/04/23 16:15	9329	Comp-FT7,Comp-SSFT7
9331			Measure New Rubber Bellows,Cut To Size And Install	5.5 hrs	Mon 24/04/23 16:15	Tue 25/04/23 10:45	9330	Comp-FT7,Comp-SSFT7
9332			Inspect Front Suspesion Springs,Bow Tie Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Tue 25/04/23 10:45	Tue 25/04/23 13:15	9331	Comp-FT7,Comp-SSFT7
9333			Inspect Rear Suspension Springs,Slings,Eyebolts And Shackles For Wear And Replace If Necessary	2 hrs	Tue 25/04/23 13:15	Tue 25/04/23 15:15	9332	Comp-FT7,Comp-SSFT7
9334			Check And Set The Angle Of Inclination Between 4-7 Degrees	2 hrs	Tue 25/04/23 15:15	Tue 25/04/23 17:15	9333	Comp-FT7,Comp-SSFT7
9335			Check For Cracks On The Tray And Repair Accordinly	1 hr	Tue 25/04/23 17:15	Wed 26/04/23 07:15	9334	Comp-FT7,Comp-SSFT7
9336			Loosen And Remove The Back Cover For The Coil	1 hr	Wed 26/04/23 07:15	Wed 26/04/23 08:15	9335	Comp-FT7,Comp-SSFT7
9337			Check The Springs For The Coil And Replace If Necessary	1 hr	Wed 26/04/23 08:15	Wed 26/04/23 09:15	9336	Comp-FT7,Comp-SSFT7
9338			Replace The Back Cover And Secure	0.5 hrs	Wed 26/04/23 09:15	Wed 26/04/23 09:45	9337	Comp-FT7,Comp-SSFT7
9339			Carry Out House Keeping	0.25 hrs	Wed 26/04/23 09:45	Wed 26/04/23 10:00	9338	Comp-FT7,Comp-SSFT7
9340			Clear Permit	0.25 hrs	Wed 26/04/23 10:00	Wed 26/04/23 10:15	9339	Operations
9341		**29C2PF02**	**# B HYDRAULIC UNIT - Service Lubrication Unit And Repair Oil Leaks**	**14.25 hrs**	**Sat 22/04/23 07:15**	**Sun 23/04/23 11:00**	**9211**	
9342			Make out permit	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30		Operations
9343			Accept permit	0.25 hrs	Sat 22/04/23 07:30	Sat 22/04/23 07:45	9342	Comp-FT8,Comp-SSFT8
9344			Carry out risk assement	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	9343	Comp-FT8,Comp-SSFT8
9345			Disconnect motors	1 hr	Sat 22/04/23 08:00	Sat 22/04/23 09:00	9344	Comp-FT8,Comp-SSFT8

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9346			Rig out motors	0.5 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:30	9345	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi,K Gaba
9347			Drain oil	1.5 hrs	Sat 22/04/23 09:30	Sat 22/04/23 11:00	9346	Comp-FT8,Comp-SSFT8
9348			Disconnect discharge pipe	1 hr	Sat 22/04/23 11:00	Sat 22/04/23 12:00	9347	Comp-FT8,Comp-SSFT8
9349			Open top cover	0.5 hrs	Sat 22/04/23 12:30	Sat 22/04/23 13:00	9348	Comp-FT8,Comp-SSFT8
9350			Clean tank	2 hrs	Sat 22/04/23 13:00	Sat 22/04/23 15:00	9349	Comp-FT8,Comp-SSFT8
9351			Change hydraulic pumps	1.5 hrs	Sat 22/04/23 15:00	Sat 22/04/23 16:30	9350	Comp-FT8,Comp-SSFT8
9352			Box up	1 hr	Sat 22/04/23 16:30	Sat 22/04/23 17:30	9351	Comp-FT8,Comp-SSFT8
9353			Mount motors	1 hr	Sat 22/04/23 17:30	Sun 23/04/23 07:30	9352	Comp-FT8,Comp-SSFT8
9354			Connect motors	1 hr	Sun 23/04/23 07:30	Sun 23/04/23 08:30	9353	Comp-FT8,Comp-SSFT8
9355			Fill oil	1.5 hrs	Sun 23/04/23 08:30	Sun 23/04/23 10:00	9354	Comp-FT8,Comp-SSFT8
9356			house keeping	0.25 hrs	Sun 23/04/23 10:00	Sun 23/04/23 10:15	9355	Comp-FT8,Comp-SSFT8
9357			Check direction	0.25 hrs	Sun 23/04/23 10:15	Sun 23/04/23 10:30	9356	Comp-FT8,Comp-SSFT8
9358			Clear permit	0.25 hrs	Sun 23/04/23 10:30	Sun 23/04/23 10:45	9357	Comp-FT8,Comp-SSFT8
9359			Clear test run permit	0.25 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:00	9358	Comp-FT8,Comp-SSFT8
9360		**29C2RM02**	**# B2 STAR FEEDER - Carry Out Inspection And Service**	**39.25 hrs**	**Sun 23/04/23 11:00**	**Thu 27/04/23 08:15**	**9341**	
9361			Prepare star feeder blades prior	0 hrs	Sun 23/04/23 11:00	Sun 23/04/23 11:00		
9362			Make Out Permit	0.25 hrs	Sun 23/04/23 11:00	Sun 23/04/23 11:15	9361	Operations
9363			Accept Permit	0.25 hrs	Sun 23/04/23 11:15	Sun 23/04/23 11:30	9362	Comp-FT8,Comp-SSFT8
9364			Carry Out Risk Assesment	0.25 hrs	Sun 23/04/23 11:30	Sun 23/04/23 11:45	9363	Comp-FT8,Comp-SSFT8
9365			Loosen star feeder mounting bolts	1 hr	Sun 23/04/23 11:45	Sun 23/04/23 13:15	9364	Comp-FT8,Comp-SSFT8
9366			Remove all bolts and swing star feeder	3 hrs	Sun 23/04/23 13:15	Sun 23/04/23 16:15	9365	Comp-FT8,Comp-SSFT8,G Moeseraela,T Moloi
9367			Run The Starfeeder And Inspect The Blades For Wear And Deformation	0.5 hrs	Sun 23/04/23 16:15	Sun 23/04/23 16:45	9366	Comp-FT8,Comp-SSFT8
9368			Stop And swing back star feeder	1 hr	Sun 23/04/23 16:45	Sun 23/04/23 17:45	9367	Comp-FT8,Comp-SSFT8
9369			Install and tighten mounting bolts	2 hrs	Sun 23/04/23 17:45	Mon 24/04/23 08:45	9368	Comp-FT8,Comp-SSFT8
9370			Sign Off Permit If Everything Is In Order.	0.25 hrs	Mon 24/04/23 08:45	Mon 24/04/23 09:00	9369	Comp-FT8,Comp-SSFT8
9371			If There Are Defects Picked,Obtain A New Permit To Isolate And Prepare To Replace The Complete Unit	0.25 hrs	Mon 24/04/23 09:00	Mon 24/04/23 09:15	9370	Comp-FT8,Comp-SSFT8
9372			Loosen And Remove Guards	0.5 hrs	Mon 24/04/23 09:15	Mon 24/04/23 09:45	9371	Comp-FT8,Comp-SSFT8
9373			Disconnect geared unit	1 hr	Mon 24/04/23 09:45	Mon 24/04/23 10:45	9372	Elec
9374			Remove the drive chain	1 hr	Mon 24/04/23 10:45	Mon 24/04/23 11:45	9373	Comp-FT8,Comp-SSFT8
9375			Support geared unit and remove mounting bolts	1.5 hrs	Mon 24/04/23 11:45	Mon 24/04/23 13:45	9374	O/H crane,G Moeseraela,T Moloi
9376			Rig out geared unit	1.5 hrs	Mon 24/04/23 13:45	Mon 24/04/23 15:15	9375	O/H crane,G Moeseraela,T Moloi
9377			Support star feeder	0.5 hrs	Mon 24/04/23 15:15	Mon 24/04/23 15:45	9376	O/H crane,G Moeseraela,T Moloi
9378			Rig out start feeder completely	1 hr	Mon 24/04/23 15:45	Mon 24/04/23 16:45	9377	O/H crane,G Moeseraela,T Moloi
9379			Clean star feeder and transport to workshop	0.5 hrs	Mon 24/04/23 16:45	Mon 24/04/23 17:15	9378	Crane lorry,G Moeseraela,T Moloi
9380			Mark all the mating components	0.5 hrs	Mon 24/04/23 17:15	Mon 24/04/23 17:45	9379	Comp-FT8,Comp-SSFT8
9381			Strip star feeder	5 hrs	Mon 24/04/23 17:45	Tue 25/04/23 11:45	9380	Comp-FT8,Comp-SSFT8
9382			Inspect and measure all the components	1.5 hrs	Tue 25/04/23 11:45	Tue 25/04/23 13:45	9381	Comp-FT8,Comp-SSFT8
9383			Assemble star feeder	6 hrs	Tue 25/04/23 13:45	Wed 26/04/23 08:45	9382	Comp-FT8,Comp-SSFT8
9384			Carry out quality checks	0.5 hrs	Wed 26/04/23 08:45	Wed 26/04/23 09:15	9383	Comp-FT8,Comp-SSFT8
9385			Transport to plant	0.5 hrs	Wed 26/04/23 09:15	Wed 26/04/23 09:45	9384	Crane lorry,G Moeseraela,T Moloi
9386			Rig star feeder into place and mount	2.5 hrs	Wed 26/04/23 09:45	Wed 26/04/23 12:45	9385	O/H crane,G Moeseraela,T Moloi
9387			Install geared unit	1 hr	Wed 26/04/23 12:45	Wed 26/04/23 13:45	9386	Comp-FT8,Comp-SSFT8
9388			Install drive chain	1 hr	Wed 26/04/23 13:45	Wed 26/04/23 14:45	9387	Comp-FT8,Comp-SSFT8
9389			Install guards	1 hr	Wed 26/04/23 14:45	Wed 26/04/23 15:45	9388	Comp-FT8,Comp-SSFT8

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9390			Connect geared unit and verify direction	0.5 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:15	9389	Comp-FT8,Comp-SSFT8
9391			Box up	2 hrs	Wed 26/04/23 16:15	Thu 27/04/23 07:15	9390	Comp-FT8,Comp-SSFT8
9392			Lubricate drive chain	0.25 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:30	9391	Comp-FT8,Comp-SSFT8
9393			Carry Out House Keeping	0.5 hrs	Thu 27/04/23 07:30	Thu 27/04/23 08:00	9392	Comp-FT8,Comp-SSFT8
9394			Clear The Permit	0.25 hrs	Thu 27/04/23 08:00	Thu 27/04/23 08:15	9393	Comp-FT8,Comp-SSFT8
9395		**29C2GB01**	**# B EXHAUST FAN - Carry Out Inspection And Replace V Belts**	**12.25 hrs**	**Wed 26/04/23 10:15**	**Thu 27/04/23 12:00**	**9326**	
9396			Make Out Permit	0.25 hrs	Wed 26/04/23 10:15	Wed 26/04/23 10:30		Operations
9397			Accept Permit	0.25 hrs	Wed 26/04/23 10:30	Wed 26/04/23 10:45	9396	Comp-FT7,Comp-SSFT7
9398			Clean The Impeller	0.5 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:15	9397	Operations
9399			Inspect Bearing And Grease	6 hrs	Wed 26/04/23 11:15	Wed 26/04/23 17:45	9398	Comp-FT7,Comp-SSFT7
9400			Inspect V-Belt And Pulley, Change If Necessary	2 hrs	Wed 26/04/23 17:45	Thu 27/04/23 08:45	9399	Comp-FT7,Comp-SSFT7
9401			Carry Out Laser Alignment	1 hr	Thu 27/04/23 08:45	Thu 27/04/23 09:45	9400	Comp-FT7,Comp-SSFT7
9402			Box Up	2 hrs	Thu 27/04/23 09:45	Thu 27/04/23 11:45	9401	Comp-FT7,Comp-SSFT7
9403			Clear Permit	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	9402	Comp-FT7,Comp-SSFT7
9404		**29C2RF09**	**# B1 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14 hrs**	**Wed 19/04/23 20:00**	**Fri 21/04/23 10:30**		
9405			Make Out Permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
9406			Accept Permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	9405	Comp-FT6,Comp-SSFT6
9407			Carry Out Risk Assesment	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	9406	Comp-FT6,Comp-SSFT6
9408			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Thu 20/04/23 07:30	Thu 20/04/23 08:00	9407	Comp-FT6,Comp-SSFT6
9409			Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:30	9408	Comp-FT6,Comp-SSFT6
9410			Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Thu 20/04/23 08:30	Thu 20/04/23 09:00	9409	Comp-FT6,Comp-SSFT6
9411			Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:15	9410	Comp-FT6,Comp-SSFT6
9412			Slack The Chain	0.5 hrs	Thu 20/04/23 09:15	Thu 20/04/23 09:45	9411	Comp-FT6,Comp-SSFT6
9413			Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 20/04/23 09:45	Thu 20/04/23 10:15	9412	Comp-FT6,Comp-SSFT6
9414			Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 20/04/23 10:15	Thu 20/04/23 10:45	9413	Comp-FT6,Comp-SSFT6
9415			Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 20/04/23 10:45	Thu 20/04/23 11:15	9414	Comp-FT6,Comp-SSFT6
9416			Tension The Drag Chain	0.5 hrs	Thu 20/04/23 11:15	Thu 20/04/23 11:45	9415	Comp-FT6,Comp-SSFT6
9417			De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Thu 20/04/23 11:45	Thu 20/04/23 15:30	9416	Comp-FT6,Comp-SSFT6
9418			Apply Sealant And Close The Top Covers	1 hr	Thu 20/04/23 15:30	Thu 20/04/23 16:30	9417	Comp-FT6,Comp-SSFT6
9419			Open Plummer Blocks And Clean Old Grease	1 hr	Thu 20/04/23 16:30	Thu 20/04/23 17:30	9418	Comp-FT6,Comp-SSFT6
9420			Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Thu 20/04/23 17:30	Fri 21/04/23 07:30	9419	Comp-FT6,Comp-SSFT6
9421			Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 21/04/23 07:30	Fri 21/04/23 08:00	9420	Comp-FT6,Comp-SSFT6
9422			Inspect sprockets and drive chain	1 hr	Fri 21/04/23 08:00	Fri 21/04/23 09:00	9421	Comp-FT6,Comp-SSFT6
9423			Tension drive chain To The Correct Force And Deflection	0.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:30	9422	Comp-FT6,Comp-SSFT6
9424			Replace Guard And Secure	0.5 hrs	Fri 21/04/23 09:30	Fri 21/04/23 10:00	9423	Comp-FT6,Comp-SSFT6
9425			Carry Out Housekeeping	0.25 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:15	9424	Comp-FT6,Comp-SSFT6
9426			Clear Permit	0.25 hrs	Fri 21/04/23 10:15	Fri 21/04/23 10:30	9425	Operations
9427		**29C2RF11**	**# B3 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14.5 hrs**	**Sat 06/05/23 07:45**	**Sun 07/05/23 11:45**	**9292**	
9428			Erect scaffolding prior	0 hrs	Sat 06/05/23 07:45	Sat 06/05/23 07:45		G Moeseraela,T Moloi
9429			Make Out Permit	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	9428	Operations
9430			Accept Permit	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	9429	Comp-FT5,Comp-SSFT5
9431			Carry Out Risk Assesment	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	9430	Comp-FT5,Comp-SSFT5
9432			Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Sat 06/05/23 08:30	Sat 06/05/23 09:00	9431	Comp-FT5,Comp-SSFT5

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9433		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:30	9432	Comp-FT5,Comp-SSFT5
9434		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Sat 06/05/23 09:30	Sat 06/05/23 10:00	9433	Comp-FT5,Comp-SSFT5
9435		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15	9434	Comp-FT5,Comp-SSFT5
9436		Slack The Chain	0.5 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:45	9435	Comp-FT5,Comp-SSFT5
9437		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:15	9436	Comp-FT5,Comp-SSFT5
9438		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	9437	Comp-FT5,Comp-SSFT5
9439		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:45	9438	Comp-FT5,Comp-SSFT5
9440		Tension The Drag Chain	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	9439	Comp-FT5,Comp-SSFT5
9441		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Sat 06/05/23 13:15	Sat 06/05/23 16:30	9440	Comp-FT5,Comp-SSFT5
9442		Apply Sealant And Close The Top Covers	1 hr	Sat 06/05/23 16:30	Sat 06/05/23 17:30	9441	Comp-FT5,Comp-SSFT5
9443		Open Plummer Blocks And Clean Old Grease	1 hr	Sat 06/05/23 17:30	Sun 07/05/23 07:30	9442	Comp-FT5,Comp-SSFT5
9444		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Sun 07/05/23 07:30	Sun 07/05/23 08:30	9443	Comp-FT5,Comp-SSFT5
9445		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Sun 07/05/23 08:30	Sun 07/05/23 09:00	9444	Comp-FT5,Comp-SSFT5
9446		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Sun 07/05/23 09:00	Sun 07/05/23 10:00	9445	Comp-FT5,Comp-SSFT5
9447		Tension To The Correct Force And Deflection	0.5 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:30	9446	Comp-FT5,Comp-SSFT5
9448		Replace Guard And Secure	0.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 11:00	9447	Comp-FT5,Comp-SSFT5
9449		Carry Out Housekeeping	0.25 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:15	9448	Comp-FT5,Comp-SSFT5
9450		Sign Off The Permit	0.25 hrs	Sun 07/05/23 11:15	Sun 07/05/23 11:30	9449	Comp-FT5,Comp-SSFT5
9451		Clear Permit	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	9450	Operations
9452		Dismantle scaffolding	0 hrs	Sun 07/05/23 11:45	Sun 07/05/23 11:45	9451	G Moeseraela,T Moloi
9453	**29C2RF14**	**# B14 CHAIN CONVEYOR - Thorough Inspection And Repairs**	**14 hrs**	**Thu 27/04/23 12:00**	**Fri 28/04/23 16:00**	**9395**	
9454		Make Out Permit	0.25 hrs	Thu 27/04/23 12:00	Thu 27/04/23 12:15		Operations
9455		Accept Permit	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	9454	Comp-FT7,Comp-SSFT7
9456		Carry Out Risk Assesment	0.25 hrs	Thu 27/04/23 12:45	Thu 27/04/23 13:00	9455	Comp-FT7,Comp-SSFT7
9457		Loosen And Remove Top Covers To Access Chain Links	0.5 hrs	Thu 27/04/23 13:00	Thu 27/04/23 13:30	9456	Comp-FT7,Comp-SSFT7
9458		Run The Chain To Identify Damaged Links And Mark Them	0.5 hrs	Thu 27/04/23 13:30	Thu 27/04/23 14:00	9457	Comp-FT7,Comp-SSFT7
9459		Run The Chain To Position The Flights That Are To Be Removed	0.5 hrs	Thu 27/04/23 14:00	Thu 27/04/23 14:30	9458	Comp-FT7,Comp-SSFT7
9460		Isolate The Chain And Lock It, (Local Isolation)	0.25 hrs	Thu 27/04/23 14:30	Thu 27/04/23 14:45	9459	Comp-FT7,Comp-SSFT7
9461		Slack The Chain	0.5 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:15	9460	Comp-FT7,Comp-SSFT7
9462		Check For Cracks Link By Lin Using Dye Penetrant Method	0.5 hrs	Thu 27/04/23 15:15	Thu 27/04/23 15:45	9461	Comp-FT7,Comp-SSFT7
9463		Remove The Locking Circlip,Knock Out The Pin And Remove The Damaged Link	0.5 hrs	Thu 27/04/23 15:45	Thu 27/04/23 16:15	9462	Comp-FT7,Comp-SSFT7
9464		Position The New Link,Connect It With A Pin And Lock It With A Circlip	0.5 hrs	Thu 27/04/23 16:15	Thu 27/04/23 16:45	9463	Comp-FT7,Comp-SSFT7
9465		Tension The Drag Chain	0.5 hrs	Thu 27/04/23 16:45	Thu 27/04/23 17:15	9464	Comp-FT7,Comp-SSFT7
9466		De Isolate,Switch On And Repeat Step No 6,7,8,9,10,11,&12 Until Completion Of The Task	3.25 hrs	Thu 27/04/23 17:15	Fri 28/04/23 09:30	9465	Comp-FT7,Comp-SSFT7
9467		Apply Sealant And Close The Top Covers	1 hr	Fri 28/04/23 09:30	Fri 28/04/23 10:30	9466	Comp-FT7,Comp-SSFT7
9468		Open Plummer Blocks And Clean Old Grease	1 hr	Fri 28/04/23 10:30	Fri 28/04/23 11:30	9467	Comp-FT7,Comp-SSFT7
9469		Inspect The Bearings And Pack With New Grease Or Change If Necessary	1 hr	Fri 28/04/23 11:30	Fri 28/04/23 13:00	9468	Comp-FT7,Comp-SSFT7
9470		Loosen And Remove The Guard For The Drive Unit	0.5 hrs	Fri 28/04/23 13:00	Fri 28/04/23 13:30	9469	Comp-FT7,Comp-SSFT7
9471		Slack The V Belts And Replace With New Spb 1900X3	1 hr	Fri 28/04/23 13:30	Fri 28/04/23 14:30	9470	Comp-FT7,Comp-SSFT7
9472		Tension To The Correct Force And Deflection	0.5 hrs	Fri 28/04/23 14:30	Fri 28/04/23 15:00	9471	Comp-FT7,Comp-SSFT7
9473		Replace Guard And Secure	0.5 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:30	9472	Comp-FT7,Comp-SSFT7

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9474			Carry Out Housekeeping	0.25 hrs	Fri 28/04/23 15:30	Fri 28/04/23 15:45	9473	Comp-FT7,Comp-SSFT7
9475			Clear Permit	0.25 hrs	Fri 28/04/23 15:45	Fri 28/04/23 16:00	9474	Operations
9476		**29C2GF09**	**# B FLAKE CRUSHER - Carry Out Inspection And Service**	**8 hrs**	**Fri 21/04/23 10:30**	**Sat 22/04/23 08:00**	**9404**	
9477			Make Out Permit	0.25 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:45		Operations
9478			Accept Permit	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	9477	Comp-FT6,Comp-SSFT6
9479			Carry Out Risk Assesment	0.25 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:15	9478	Comp-FT6,Comp-SSFT6
9480			Loosen Mouting Bolts For The Guards And Check The Condition Of Coupling	1 hr	Fri 21/04/23 11:15	Fri 21/04/23 12:45	9479	Comp-FT6,Comp-SSFT6
9481			Inspect Labyrinth Seals For Wear And Damage	2.5 hrs	Fri 21/04/23 12:45	Fri 21/04/23 15:15	9480	Comp-FT6,Comp-SSFT6
9482			Open The Plummer Blocks And Clean Old Grease	1.5 hrs	Fri 21/04/23 15:15	Fri 21/04/23 16:45	9481	Comp-FT6,Comp-SSFT6
9483			Inspect Bearings And Repack With New Grease	1 hr	Fri 21/04/23 16:45	Fri 21/04/23 17:45	9482	Comp-FT6,Comp-SSFT6
9484			Close The Plummer Blocks	1 hr	Fri 21/04/23 17:45	Sat 22/04/23 07:45	9483	Comp-FT6,Comp-SSFT6
9485			Clear Permit	0.25 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:00	9484	Comp-FT6,Comp-SSFT6
9486		**29C2GF10**	**# B PRE - Crusher Carry Out Inspection And Service**	**7.5 hrs**	**Sat 22/04/23 08:00**	**Sat 22/04/23 16:00**	**9476**	
9487			Make Out Permit	0.25 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:15		Operations
9488			Accept Permit	0.25 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:30	9487	Comp-FT6,Comp-SSFT6
9489			Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 08:30	Sat 22/04/23 08:45	9488	Comp-FT6,Comp-SSFT6
9490			Remove Guards And Inspect Condition Of The Coupling	0.5 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:15	9489	Comp-FT6,Comp-SSFT6
9491			Open Bearing Covers,Clean And Repack With New Grease,Then Close Covers	1.5 hrs	Sat 22/04/23 09:15	Sat 22/04/23 10:45	9490	Comp-FT6,Comp-SSFT6
9492			Open Side Covers And Inspect Discs For Wear And Damage	1.5 hrs	Sat 22/04/23 10:45	Sat 22/04/23 12:45	9491	Comp-FT6,Comp-SSFT6
9493			Inspect The Scraper For Wear And Damage	0.5 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:15	9492	Comp-FT6,Comp-SSFT6
9494			Apply Sealant And Replace Side Covers	1 hr	Sat 22/04/23 13:15	Sat 22/04/23 14:15	9493	Comp-FT6,Comp-SSFT6
9495			Drain Gearbox Oil And Refill With New Oil(Gengear 220)	1 hr	Sat 22/04/23 14:15	Sat 22/04/23 15:15	9494	Comp-FT6,Comp-SSFT6
9496			Replace Guards	0.5 hrs	Sat 22/04/23 15:15	Sat 22/04/23 15:45	9495	Comp-FT6,Comp-SSFT6
9497			Clear Permit	0.25 hrs	Sat 22/04/23 15:45	Sat 22/04/23 16:00	9496	Comp-FT6,Comp-SSFT6
9498			**ELECTRICAL**	**120 hrs**	**Wed 26/04/23 08:00**	**Sun 07/05/23 13:00**	**8548**	
9499		**29C2GK02I**	**B FEED HOPPER STIRRER EAST - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Fri 28/04/23 11:45**	**Sat 29/04/23 08:45**	**2880**	
9500			Make out permit	0.25 hrs	Fri 28/04/23 11:45	Fri 28/04/23 12:00		Operations
9501			Accept permit	0.25 hrs	Fri 28/04/23 12:30	Fri 28/04/23 12:45	9500	Ash-Elec3,Ash-SSElec3
9502			Carry out Ash Electrical isolation	0.25 hrs	Fri 28/04/23 12:45	Fri 28/04/23 13:00	9501	Ash-Elec3,Ash-SSElec3
9503			Disconnect and remove motor and send for repairs	2 hrs	Fri 28/04/23 13:00	Fri 28/04/23 15:00	9502	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9504			Check loose connections inside the panel	0.25 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:15	9503	Ash-Elec3,Ash-SSElec3
9505			Service panel components, VSD & Clear dust	0.25 hrs	Fri 28/04/23 15:15	Fri 28/04/23 15:30	9504	Ash-Elec3,Ash-SSElec3
9506			Service Field Isolator	0.5 hrs	Fri 28/04/23 15:30	Fri 28/04/23 16:00	9505	Ash-Elec3,Ash-SSElec3
9507			Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Fri 28/04/23 16:00	Fri 28/04/23 16:30	9506	Ash-Elec3,Ash-SSElec3
9508			Inspect for possible Gear Box Seal leak	0.25 hrs	Fri 28/04/23 16:30	Fri 28/04/23 16:45	9507	Ash-Elec3,Ash-SSElec3
9509			Install and connect motor	2 hrs	Fri 28/04/23 16:45	Sat 29/04/23 07:45	9508	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9510			Tighten Motor connections & Gland intergrity	0.5 hrs	Sat 29/04/23 07:45	Sat 29/04/23 08:15	9509	Ash-Elec3,Ash-SSElec3
9511			Seal for Moisture and dust.	0.25 hrs	Sat 29/04/23 08:15	Sat 29/04/23 08:30	9510	Ash-Elec3,Ash-SSElec3
9512			Clear permit	0.25 hrs	Sat 29/04/23 08:30	Sat 29/04/23 08:45	9511	Ash-Elec3,Ash-SSElec3
9513		**29C2GK02I**	**B FEED HOPPER STIRRER WEST - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Sat 29/04/23 08:45**	**Sat 29/04/23 16:45**	**9499**	
9514			Make out permit	0.25 hrs	Sat 29/04/23 08:45	Sat 29/04/23 09:00		Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9515			Accept permit	0.25 hrs	Sat 29/04/23 09:00	Sat 29/04/23 09:15	9514	Ash-Elec3,Ash-SSElec3
9516			Carry out Ash Electrical isolation	0.25 hrs	Sat 29/04/23 09:15	Sat 29/04/23 09:30	9515	Ash-Elec3,Ash-SSElec3
9517			Disconnect and remove motor and send for repairs	2 hrs	Sat 29/04/23 09:30	Sat 29/04/23 11:30	9516	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9518			Check loose connections inside the panel	0.25 hrs	Sat 29/04/23 11:30	Sat 29/04/23 11:45	9517	Ash-Elec3,Ash-SSElec3
9519			Service panel components, VSD & Clear dust	0.25 hrs	Sat 29/04/23 11:45	Sat 29/04/23 12:00	9518	Ash-Elec3,Ash-SSElec3
9520			Service Field Isolator	0.5 hrs	Sat 29/04/23 12:30	Sat 29/04/23 13:00	9519	Ash-Elec3,Ash-SSElec3
9521			Service Feed Hopper Vibrator Motor & panel	0.5 hrs	Sat 29/04/23 13:00	Sat 29/04/23 13:30	9520	Ash-Elec3,Ash-SSElec3
9522			Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 29/04/23 13:30	Sat 29/04/23 13:45	9521	Ash-Elec3,Ash-SSElec3
9523			Install and connect motor	2 hrs	Sat 29/04/23 13:45	Sat 29/04/23 15:45	9522	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9524			Tighten Motor connections & Gland intergrity	0.5 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:15	9523	Ash-Elec3,Ash-SSElec3
9525			Seal for Moisture and dust.	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30	9524	Ash-Elec3,Ash-SSElec3
9526			Clear permit	0.25 hrs	Sat 29/04/23 16:30	Sat 29/04/23 16:45	9525	Ash-Elec3,Ash-SSElec3
9527		**29C2GP02**	**B COMPACTOR - Carry out maintenance**	**4.5 hrs**	**Sat 29/04/23 16:45**	**Sun 30/04/23 10:15**	**9513**	
9528			Make out permit	0.25 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:00		Operations
9529			Accept permit	0.25 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:15	9528	Elec (Ash)2
9530			Prepare clearance certificate	0.25 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:30	9529	Elec (Ash)2
9531			Carryout Ash Electrical isolation	0.25 hrs	Sat 29/04/23 17:30	Sat 29/04/23 17:45	9530	Elec (Ash)2
9532			Check panel HV terminals for arching & overheating	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	9531	Elec (Ash)2
9533			Check Breaker spouse looseness & arching	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	9532	Elec (Ash)2
9534			Service Stop/Start	0.25 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:30	9533	Elec (Ash)2
9535			Check underspeed sensor intergrity	0.25 hrs	Sun 30/04/23 07:30	Sun 30/04/23 07:45	9534	Elec (Ash)2
9536			Service underspeed control panel	0.5 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:15	9535	Elec (Ash)2
9537			Inspect Motor terminal box interior & Gland intergrity	0.5 hrs	Sun 30/04/23 08:15	Sun 30/04/23 08:45	9536	Elec (Ash)2
9538			Clear product off Motor	1 hr	Sun 30/04/23 08:45	Sun 30/04/23 09:45	9537	Elec (Ash)2
9539			Seal for Moisture and dust.	0.25 hrs	Sun 30/04/23 09:45	Sun 30/04/23 10:00	9538	Elec (Ash)2
9540			Clear permit	0.25 hrs	Sun 30/04/23 10:00	Sun 30/04/23 10:15	9539	Elec (Ash)2
9541		**29C2GU01B**	**B COMPACTOR LUBE OIL PUMP A - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 30/04/23 10:15**	**Sun 30/04/23 14:15**	**9527**	
9542			Make out permit	0.25 hrs	Sun 30/04/23 10:15	Sun 30/04/23 10:30		Ash-Elec3,Ash-SSElec3
9543			Accept permit	0.25 hrs	Sun 30/04/23 10:30	Sun 30/04/23 10:45	9542	Ash-Elec3,Ash-SSElec3
9544			Carry out electrical isolation	0.25 hrs	Sun 30/04/23 10:45	Sun 30/04/23 11:00	9543	Ash-Elec3,Ash-SSElec3
9545			Check loose connections in the panel	0.25 hrs	Sun 30/04/23 11:00	Sun 30/04/23 11:15	9544	Ash-Elec3,Ash-SSElec3
9546			Check Contactor contacts connetions	0.25 hrs	Sun 30/04/23 11:15	Sun 30/04/23 11:30	9545	Ash-Elec3,Ash-SSElec3
9547			Confirm correct setting of protections	0.25 hrs	Sun 30/04/23 11:30	Sun 30/04/23 11:45	9546	Ash-Elec3,Ash-SSElec3
9548			Service Stop/start	0.5 hrs	Sun 30/04/23 11:45	Sun 30/04/23 12:45	9547	Ash-Elec3,Ash-SSElec3
9549			Check motor fan condition	0.5 hrs	Sun 30/04/23 12:45	Sun 30/04/23 13:15	9548	Ash-Elec3,Ash-SSElec3
9550			Check cable terminal leads for over heating	0.25 hrs	Sun 30/04/23 13:15	Sun 30/04/23 13:30	9549	Ash-Elec3,Ash-SSElec3
9551			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 30/04/23 13:30	Sun 30/04/23 13:45	9550	Ash-Elec3,Ash-SSElec3
9552			Seal for Moisture and dust.	0.25 hrs	Sun 30/04/23 13:45	Sun 30/04/23 14:00	9551	Ash-Elec3,Ash-SSElec3
9553			Clear permit	0.25 hrs	Sun 30/04/23 14:00	Sun 30/04/23 14:15	9552	Ash-Elec3,Ash-SSElec3
9554		**29C2GU01B**	**B COMPACTOR LUBE OIL PUMP B - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 30/04/23 14:15**	**Sun 30/04/23 17:45**	**9541**	
9555			Make out permit	0.25 hrs	Sun 30/04/23 14:15	Sun 30/04/23 14:30		Ash-Elec3,Ash-SSElec3
9556			Accept permit	0.25 hrs	Sun 30/04/23 14:30	Sun 30/04/23 14:45	9555	Ash-Elec3,Ash-SSElec3
9557			Carry out electrical isolation	0.25 hrs	Sun 30/04/23 14:45	Sun 30/04/23 15:00	9556	Ash-Elec3,Ash-SSElec3

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9558			Check loose connections in the panel	0.25 hrs	Sun 30/04/23 15:00	Sun 30/04/23 15:15	9557	Ash-Elec3,Ash-SSElec3
9559			Check Contactor contacts connetions	0.25 hrs	Sun 30/04/23 15:15	Sun 30/04/23 15:30	9558	Ash-Elec3,Ash-SSElec3
9560			Confirm correct setting of protections	0.25 hrs	Sun 30/04/23 15:30	Sun 30/04/23 15:45	9559	Ash-Elec3,Ash-SSElec3
9561			Service Stop/start	0.5 hrs	Sun 30/04/23 15:45	Sun 30/04/23 16:15	9560	Ash-Elec3,Ash-SSElec3
9562			Check motor fan condition	0.5 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:45	9561	Ash-Elec3,Ash-SSElec3
9563			Check cable terminal leads for over heating	0.25 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:00	9562	Ash-Elec3,Ash-SSElec3
9564			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15	9563	Ash-Elec3,Ash-SSElec3
9565			Seal for Moisture and dust.	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30	9564	Ash-Elec3,Ash-SSElec3
9566			Clear permit	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45	9565	Ash-Elec3,Ash-SSElec3
9567		**29C2GP02**	**B COMPACTOR TRANSFER SCREW - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 30/04/23 17:45**	**Mon 01/05/23 10:15**	**9554**	
9568			Make out permit	0.25 hrs	Sun 30/04/23 17:45	Sun 30/04/23 18:00		Elec
9569			Accept permit	0.25 hrs	Mon 01/05/23 07:00	Mon 01/05/23 07:15	9568	Elec
9570			Carry out electrical isolation	0.25 hrs	Mon 01/05/23 07:15	Mon 01/05/23 07:30	9569	Elec
9571			Check loose connections in the panel	0.25 hrs	Mon 01/05/23 07:30	Mon 01/05/23 07:45	9570	Elec
9572			Check Contactor contacts connetions	0.25 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:00	9571	Elec
9573			Confirm correct setting of protections	0.25 hrs	Mon 01/05/23 08:00	Mon 01/05/23 08:15	9572	Elec
9574			Service Stop/start	0.5 hrs	Mon 01/05/23 08:15	Mon 01/05/23 08:45	9573	Elec
9575			Check motor fan condition	0.5 hrs	Mon 01/05/23 08:45	Mon 01/05/23 09:15	9574	Elec
9576			Check cable terminal leads for over heating	0.25 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:30	9575	Elec
9577			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:45	9576	Elec
9578			Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 09:45	Mon 01/05/23 10:00	9577	Elec
9579			Clear permit	0.25 hrs	Mon 01/05/23 10:00	Mon 01/05/23 10:15	9578	Elec
9580		**29C2GF09**	**B FLAKE CRUSHER - Carry out maintenance on Ash Electrical components**	**15 hrs**	**Mon 01/05/23 10:15**	**Tue 02/05/23 15:15**	**9567**	
9581			Make out permit	0.25 hrs	Mon 01/05/23 10:15	Mon 01/05/23 10:30		Operations
9582			Accept permit	0.25 hrs	Mon 01/05/23 10:30	Mon 01/05/23 10:45	9581	Elec (Ash)2
9583			Carry out Ash Electrical isolation	0.25 hrs	Mon 01/05/23 10:45	Mon 01/05/23 11:00	9582	Elec (Ash)2
9584			Disconnect motor	2 hrs	Mon 01/05/23 11:00	Mon 01/05/23 13:30	9583	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9585			Paint motor	4 hrs	Mon 01/05/23 13:30	Mon 01/05/23 17:30	9584	Painter 1
9586			Curing time	4 hrs	Mon 01/05/23 17:30	Tue 02/05/23 10:30	9585	
9587			Check loose connections inside the panel	0.25 hrs	Tue 02/05/23 10:30	Tue 02/05/23 10:45	9586	Elec (Ash)2
9588			Service panel components & Clear dust	0.25 hrs	Tue 02/05/23 10:45	Tue 02/05/23 11:00	9587	Elec (Ash)2
9589			Service Stop/start	0.25 hrs	Tue 02/05/23 11:00	Tue 02/05/23 11:15	9588	Elec (Ash)2
9590			Check Fan condition	0.25 hrs	Tue 02/05/23 11:15	Tue 02/05/23 11:30	9589	Elec (Ash)2
9591			Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 02/05/23 11:30	Tue 02/05/23 11:45	9590	Elec (Ash)2
9592			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 11:45	Tue 02/05/23 12:00	9591	Elec (Ash)2
9593			Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 12:30	Tue 02/05/23 12:45	9592	Elec (Ash)2
9594			Install and connect motor	2 hrs	Tue 02/05/23 12:45	Tue 02/05/23 14:45	9593	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9595			Confirm correct protection settings	0.25 hrs	Tue 02/05/23 14:45	Tue 02/05/23 15:00	9594	Elec (Ash)2
9596			Clear permit	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	9595	Elec (Ash)2
9597		**29C2GB02**	**B EXHAUST FAN - Carry out Ash Electrical maintenance**	**7 hrs**	**Tue 02/05/23 15:15**	**Wed 03/05/23 11:15**	**9580**	
9598			Make out permit	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30		Operations
9599			Accept permit	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45	9598	Elec (Ash)2
9600			Carry out Ash Electrical isolation	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	9599	Elec (Ash)2
9601			Disconnect and remove motor and send for repairs	2 hrs	Tue 02/05/23 16:00	Tue 02/05/23 18:00	9600	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9602			Check loose connections in the panel	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	9601	Elec (Ash)2
9603			Service panel components	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	9602	Elec (Ash)2
9604			Check fan & fan cowling	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	9603	Elec (Ash)2
9605			service stop/start	0.25 hrs	Wed 03/05/23 07:45	Wed 03/05/23 08:00	9604	Elec (Ash)2
9606			Install and connect motor	2 hrs	Wed 03/05/23 08:00	Wed 03/05/23 10:00	9605	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T M
9607			Check for overheating on supply cable leads.	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15	9606	Elec (Ash)2
9608			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	9607	Elec (Ash)2
9609			Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 10:30	Wed 03/05/23 10:45	9608	Elec (Ash)2
9610			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 10:45	Wed 03/05/23 11:00	9609	Elec (Ash)2
9611			Clear permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15	9610	Elec (Ash)2
9612		**29C2GF10**	**B PRE-CRUSHER - Carry out maintenance on electrical components**	**3.5 hrs**	**Wed 03/05/23 11:15**	**Wed 03/05/23 15:15**	**9597**	
9613			Make out permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30		Operations
9614			Accept permit	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	9613	Elec (Ash)2
9615			Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	9614	Elec (Ash)2
9616			Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	9615	Elec (Ash)2
9617			Service panel components & Clear dust	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	9616	Elec (Ash)2
9618			Service Field Isolator	0.5 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:30	9617	Elec (Ash)2
9619			Check Motor Fans condition	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	9618	Elec (Ash)2
9620			Inspect for possible Gear Box Seal leak	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00	9619	Elec (Ash)2
9621			Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:30	9620	Elec (Ash)2
9622			Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	9621	Elec (Ash)2
9623			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 14:45	Wed 03/05/23 15:00	9622	Elec (Ash)2
9624			Clear permit	0.25 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:15	9623	Elec (Ash)2
9625		**29C2GF10**	**B PRE-CRUSHER - Carry out maintenance on electrical components**	**3.5 hrs**	**Wed 03/05/23 15:15**	**Thu 04/05/23 07:45**	**9612**	
9626			Make out permit	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30		Operations
9627			Accept permit	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45	9626	Elec (Ash)2
9628			Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00	9627	Elec (Ash)2
9629			Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	9628	Elec (Ash)2
9630			Service panel components & Clear dust	0.25 hrs	Wed 03/05/23 16:15	Wed 03/05/23 16:30	9629	Elec (Ash)2
9631			Service Field Isolator	0.5 hrs	Wed 03/05/23 16:30	Wed 03/05/23 17:00	9630	Elec (Ash)2
9632			Check Motor Fans condition	0.25 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:15	9631	Elec (Ash)2
9633			Inspect for possible Gear Box Seal leak	0.25 hrs	Wed 03/05/23 17:15	Wed 03/05/23 17:30	9632	Elec (Ash)2
9634			Tighten Motor connections & Gland intergrity	0.5 hrs	Wed 03/05/23 17:30	Wed 03/05/23 18:00	9633	Elec (Ash)2
9635			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	9634	Elec (Ash)2
9636			Confirm correct protection settings	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	9635	Elec (Ash)2
9637			Clear permit	0.25 hrs	Thu 04/05/23 07:30	Thu 04/05/23 07:45	9636	Elec (Ash)2
9638		**29C2RM02**	**B1 STAR FEEDER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Thu 04/05/23 07:45**	**Thu 04/05/23 10:45**	**9625**	
9639			Make out permit	0.25 hrs	Thu 04/05/23 07:45	Thu 04/05/23 08:00		Operations
9640			Accept permit	0.25 hrs	Thu 04/05/23 08:00	Thu 04/05/23 08:15	9639	Elec (Ash)2
9641			Carry out Ash Electrical isolation	0.25 hrs	Thu 04/05/23 08:15	Thu 04/05/23 08:30	9640	Elec (Ash)2
9642			Check loose connections inside the panel	0.25 hrs	Thu 04/05/23 08:30	Thu 04/05/23 08:45	9641	Elec (Ash)2
9643			Service panel components, VSD & Clear dust	0.25 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:00	9642	Elec (Ash)2
9644			Service Field Isolator	0.25 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:15	9643	Elec (Ash)2
9645			Check Motor Fan condition	0.25 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:30	9644	Elec (Ash)2
9646			Inspect for possible Gear Box Seal leak	0.25 hrs	Thu 04/05/23 09:30	Thu 04/05/23 09:45	9645	Elec (Ash)2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9647			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	9646	Elec (Ash)2
9648			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	9647	Elec (Ash)2
9649			Confirm correct protection settings	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30	9648	Elec (Ash)2
9650			Clear permit	0.25 hrs	Thu 04/05/23 10:30	Thu 04/05/23 10:45	9649	Elec (Ash)2
9651		**29C2RM04**	**B2 DOSING STAR FEEDER - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Thu 04/05/23 10:45**	**Thu 04/05/23 14:15**	**9638**	
9652			Make out permit	0.25 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:00		Operations
9653			Accept permit	0.25 hrs	Thu 04/05/23 11:00	Thu 04/05/23 11:15	9652	Elec (Ash)2
9654			Carry out Ash Electrical isolation	0.25 hrs	Thu 04/05/23 11:15	Thu 04/05/23 11:30	9653	Elec (Ash)2
9655			Check loose connections inside the panel	0.25 hrs	Thu 04/05/23 11:30	Thu 04/05/23 11:45	9654	Elec (Ash)2
9656			Service panel components, VSD & Clear dust	0.25 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:00	9655	Elec (Ash)2
9657			Service Field Isolator	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	9656	Elec (Ash)2
9658			Check Motor Fan condition	0.25 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:00	9657	Elec (Ash)2
9659			Inspect for possible Gear Box Seal leak	0.25 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:15	9658	Elec (Ash)2
9660			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 13:15	Thu 04/05/23 13:30	9659	Elec (Ash)2
9661			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	9660	Elec (Ash)2
9662			Confirm correct protection settings	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	9661	Elec (Ash)2
9663			Clear permit	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	9662	Elec (Ash)2
9664		**29C2RL02**	**B SCREW FEEDER - Carry out maintenance on Ash Electrical components**	**7.25 hrs**	**Wed 26/04/23 08:00**	**Wed 26/04/23 15:45**	**2434**	
9665			Make out permit	0.25 hrs	Wed 26/04/23 08:00	Wed 26/04/23 08:15		Operations
9666			Accept permit	0.25 hrs	Wed 26/04/23 08:15	Wed 26/04/23 08:30	9665	Ash-Elec2,Ash-SSElec2
9667			Carry out Ash Electrical isolation	0.25 hrs	Wed 26/04/23 08:30	Wed 26/04/23 08:45	9666	Ash-Elec2,Ash-SSElec2
9668			Disconnect and remove motor and send for repairs	2 hrs	Wed 26/04/23 08:45	Wed 26/04/23 10:45	9667	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9669			Check loose connections in the panel	0.25 hrs	Wed 26/04/23 10:45	Wed 26/04/23 11:00	9668	Ash-Elec2,Ash-SSElec2
9670			Open VSD & blow out dust	0.5 hrs	Wed 26/04/23 11:00	Wed 26/04/23 11:30	9669	Ash-Elec2,Ash-SSElec2
9671			Tighten VSD connections	0.25 hrs	Wed 26/04/23 11:30	Wed 26/04/23 11:45	9670	Ash-Elec2,Ash-SSElec2
9672			Check underspeed sensor intergrity & circuit operation	0.25 hrs	Wed 26/04/23 11:45	Wed 26/04/23 12:00	9671	Ash-Elec2,Ash-SSElec2
9673			Install and connect motor	2 hrs	Wed 26/04/23 12:30	Wed 26/04/23 14:30	9672	Elec (Ash),B Thuso,L Nakedi,S Tlou,G Moeseraela,T Mo
9674			Service safe start circuit & Field Isolator	0.25 hrs	Wed 26/04/23 14:30	Wed 26/04/23 14:45	9673	Ash-Elec2,Ash-SSElec2
9675			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 26/04/23 14:45	Wed 26/04/23 15:00	9674	Ash-Elec2,Ash-SSElec2
9676			Seal for Moisture and dust.	0.25 hrs	Wed 26/04/23 15:00	Wed 26/04/23 15:15	9675	Ash-Elec2,Ash-SSElec2
9677			Confirm correct protection settings	0.25 hrs	Wed 26/04/23 15:15	Wed 26/04/23 15:30	9676	Ash-Elec2,Ash-SSElec2
9678			Clear permit	0.25 hrs	Wed 26/04/23 15:30	Wed 26/04/23 15:45	9677	Ash-Elec2,Ash-SSElec2
9679		**29C2RE03**	**B1 BELT CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Wed 26/04/23 15:45**	**Thu 27/04/23 07:45**	**9664**	
9680			Make out permit	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00		Operations
9681			Accept permit	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15	9680	Ash-Elec2,Ash-SSElec2
9682			Carry out Ash Electrical isolation	0.25 hrs	Wed 26/04/23 16:15	Wed 26/04/23 16:30	9681	Ash-Elec2,Ash-SSElec2
9683			Check loose connections inside the panel	0.25 hrs	Wed 26/04/23 16:30	Wed 26/04/23 16:45	9682	Ash-Elec2,Ash-SSElec2
9684			Service panel components & clear dust	0.25 hrs	Wed 26/04/23 16:45	Wed 26/04/23 17:00	9683	Ash-Elec2,Ash-SSElec2
9685			Service Field Isolator	0.25 hrs	Wed 26/04/23 17:00	Wed 26/04/23 17:15	9684	Ash-Elec2,Ash-SSElec2
9686			Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Wed 26/04/23 17:15	Wed 26/04/23 17:30	9685	Ash-Elec2,Ash-SSElec2
9687			Service safe start circuit & pull switches	0.25 hrs	Wed 26/04/23 17:30	Wed 26/04/23 17:45	9686	Ash-Elec2,Ash-SSElec2
9688			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 26/04/23 17:45	Wed 26/04/23 18:00	9687	Ash-Elec2,Ash-SSElec2
9689			Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 07:00	Thu 27/04/23 07:15	9688	Ash-Elec2,Ash-SSElec2

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9690		Confirm correct protection settings	0.25 hrs	Thu 27/04/23 07:15	Thu 27/04/23 07:30	9689	Ash-Elec2,Ash-SSElec2
9691		Clear permit	0.25 hrs	Thu 27/04/23 07:30	Thu 27/04/23 07:45	9690	Ash-Elec2,Ash-SSElec2
9692	**29C2RE04**	**B2 BELT CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Thu 27/04/23 07:45**	**Thu 27/04/23 10:45**	**9679**	
9693		Make out permit	0.25 hrs	Thu 27/04/23 07:45	Thu 27/04/23 08:00		Operations
9694		Accept permit	0.25 hrs	Thu 27/04/23 08:00	Thu 27/04/23 08:15	9693	Ash-Elec2,Ash-SSElec2
9695		Carry out Ash Electrical isolation	0.25 hrs	Thu 27/04/23 08:15	Thu 27/04/23 08:30	9694	Ash-Elec2,Ash-SSElec2
9696		Check loose connections inside the panel	0.25 hrs	Thu 27/04/23 08:30	Thu 27/04/23 08:45	9695	Ash-Elec2,Ash-SSElec2
9697		Service panel components & clear dust	0.25 hrs	Thu 27/04/23 08:45	Thu 27/04/23 09:00	9696	Ash-Elec2,Ash-SSElec2
9698		Service Field Isolator	0.25 hrs	Thu 27/04/23 09:00	Thu 27/04/23 09:15	9697	Ash-Elec2,Ash-SSElec2
9699		Check underspeed sensor intergrity & circuit operation.	0.25 hrs	Thu 27/04/23 09:15	Thu 27/04/23 09:30	9698	Ash-Elec2,Ash-SSElec2
9700		Service safe start circuit & pull switches	0.25 hrs	Thu 27/04/23 09:30	Thu 27/04/23 09:45	9699	Ash-Elec2,Ash-SSElec2
9701		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 27/04/23 09:45	Thu 27/04/23 10:00	9700	Ash-Elec2,Ash-SSElec2
9702		Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 10:00	Thu 27/04/23 10:15	9701	Ash-Elec2,Ash-SSElec2
9703		Confirm correct protection settings	0.25 hrs	Thu 27/04/23 10:15	Thu 27/04/23 10:30	9702	Ash-Elec2,Ash-SSElec2
9704		Clear permit	0.25 hrs	Thu 27/04/23 10:30	Thu 27/04/23 10:45	9703	Ash-Elec2,Ash-SSElec2
9705	**29C2RP03**	**B1 BUCKET ELEVATOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Thu 27/04/23 10:45**	**Thu 27/04/23 14:30**	**9692**	
9706		Make out permit	0.25 hrs	Thu 27/04/23 10:45	Thu 27/04/23 11:00		Operations
9707		Accept permit	0.25 hrs	Thu 27/04/23 11:00	Thu 27/04/23 11:15	9706	Ash-Elec2,Ash-SSElec2
9708		Carry out Ash Electrical isolation	0.25 hrs	Thu 27/04/23 11:15	Thu 27/04/23 11:30	9707	Ash-Elec2,Ash-SSElec2
9709		Check loose connections in the panel	0.25 hrs	Thu 27/04/23 11:30	Thu 27/04/23 11:45	9708	Ash-Elec2,Ash-SSElec2
9710		Service panel components & Clear dust	0.25 hrs	Thu 27/04/23 11:45	Thu 27/04/23 12:00	9709	Ash-Elec2,Ash-SSElec2
9711		Service Field isolator	0.25 hrs	Thu 27/04/23 12:30	Thu 27/04/23 12:45	9710	Ash-Elec2,Ash-SSElec2
9712		Check underspeed sensor cable & circuit operation	0.25 hrs	Thu 27/04/23 12:45	Thu 27/04/23 13:00	9711	Ash-Elec2,Ash-SSElec2
9713		Clear product build-up between Sensor & Actuators	0.25 hrs	Thu 27/04/23 13:00	Thu 27/04/23 13:15	9712	Ash-Elec2,Ash-SSElec2
9714		Service safe start circuit	0.25 hrs	Thu 27/04/23 13:15	Thu 27/04/23 13:30	9713	Ash-Elec2,Ash-SSElec2
9715		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 27/04/23 13:30	Thu 27/04/23 13:45	9714	Ash-Elec2,Ash-SSElec2
9716		Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 13:45	Thu 27/04/23 14:00	9715	Ash-Elec2,Ash-SSElec2
9717		Confirm correct protection settings	0.25 hrs	Thu 27/04/23 14:00	Thu 27/04/23 14:15	9716	Ash-Elec2,Ash-SSElec2
9718		Clear permit	0.25 hrs	Thu 27/04/23 14:15	Thu 27/04/23 14:30	9717	Ash-Elec2,Ash-SSElec2
9719	**29C2RP04**	**B2 BUCKET ELEVATOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Thu 27/04/23 14:30**	**Thu 27/04/23 17:45**	**9705**	
9720		Make out permit	0.25 hrs	Thu 27/04/23 14:30	Thu 27/04/23 14:45		Operations
9721		Accept permit	0.25 hrs	Thu 27/04/23 14:45	Thu 27/04/23 15:00	9720	Ash-Elec2,Ash-SSElec2
9722		Carry out Ash Electrical isolation	0.25 hrs	Thu 27/04/23 15:00	Thu 27/04/23 15:15	9721	Ash-Elec2,Ash-SSElec2
9723		Check loose connections in the panel	0.25 hrs	Thu 27/04/23 15:15	Thu 27/04/23 15:30	9722	Ash-Elec2,Ash-SSElec2
9724		Service panel components & Clear dust	0.25 hrs	Thu 27/04/23 15:30	Thu 27/04/23 15:45	9723	Ash-Elec2,Ash-SSElec2
9725		Service Field isolator	0.25 hrs	Thu 27/04/23 15:45	Thu 27/04/23 16:00	9724	Ash-Elec2,Ash-SSElec2
9726		Check underspeed sensor cable & circuit operation	0.25 hrs	Thu 27/04/23 16:00	Thu 27/04/23 16:15	9725	Ash-Elec2,Ash-SSElec2
9727		Clear product build-up between Sensor & Actuators	0.25 hrs	Thu 27/04/23 16:15	Thu 27/04/23 16:30	9726	Ash-Elec2,Ash-SSElec2
9728		Service safe start circuit	0.25 hrs	Thu 27/04/23 16:30	Thu 27/04/23 16:45	9727	Ash-Elec2,Ash-SSElec2
9729		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 27/04/23 16:45	Thu 27/04/23 17:00	9728	Ash-Elec2,Ash-SSElec2
9730		Seal for Moisture and dust.	0.25 hrs	Thu 27/04/23 17:00	Thu 27/04/23 17:15	9729	Ash-Elec2,Ash-SSElec2
9731		Confirm correct protection settings	0.25 hrs	Thu 27/04/23 17:15	Thu 27/04/23 17:30	9730	Ash-Elec2,Ash-SSElec2

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9732		Clear permit	0.25 hrs	Thu 27/04/23 17:30	Thu 27/04/23 17:45	9731	Ash-Elec2,Ash-SSElec2
9733	**29C2GF15**	**B1 FINE ROLLER ROLLER CRUSHER - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Thu 27/04/23 17:45**	**Fri 28/04/23 14:45**	**9719**	
9734		Make out permit	0.25 hrs	Thu 27/04/23 17:45	Thu 27/04/23 18:00		Operations
9735		Accept permit	0.25 hrs	Fri 28/04/23 07:00	Fri 28/04/23 07:15	9734	Ash-Elec2,Ash-SSElec2
9736		Carry out Ash Electrical isolation	0.25 hrs	Fri 28/04/23 07:15	Fri 28/04/23 07:30	9735	Ash-Elec2,Ash-SSElec2
9737		Check loose connections inside the panel	0.25 hrs	Fri 28/04/23 07:30	Fri 28/04/23 07:45	9736	Ash-Elec2,Ash-SSElec2
9738		Check U/S sensor intergrity & Circuit operation.	0.25 hrs	Fri 28/04/23 07:45	Fri 28/04/23 08:00	9737	Ash-Elec2,Ash-SSElec2
9739		Service Field Isolator	0.25 hrs	Fri 28/04/23 08:00	Fri 28/04/23 08:15	9738	Ash-Elec2,Ash-SSElec2
9740		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 28/04/23 08:15	Fri 28/04/23 08:30	9739	Ash-Elec2,Ash-SSElec2
9741		Seal for Moisture and dust.	0.25 hrs	Fri 28/04/23 08:30	Fri 28/04/23 08:45	9740	Ash-Elec2,Ash-SSElec2
9742		Confirm correct protection settings	0.25 hrs	Fri 28/04/23 08:45	Fri 28/04/23 09:00	9741	Ash-Elec2,Ash-SSElec2
9743		Wire circuit for new crusher	4 hrs	Fri 28/04/23 09:00	Fri 28/04/23 13:30	9742	Ash-Elec2,Ash-SSElec2
9744		Test parameters for compatability	1 hr	Fri 28/04/23 13:30	Fri 28/04/23 14:30	9743	Ash-Elec2,Ash-SSElec2
9745		Clear permit	0.25 hrs	Fri 28/04/23 14:30	Fri 28/04/23 14:45	9744	Ash-Elec2,Ash-SSElec2
9746	**29C2GF16**	**B2 FINE ROLLER ROLLER CRUSHER - Carry out maintenance on Ash Electrical components**	**7.5 hrs**	**Fri 28/04/23 14:45**	**Sat 29/04/23 11:15**	**9733**	
9747		Make out permit	0.25 hrs	Fri 28/04/23 14:45	Fri 28/04/23 15:00		Operations
9748		Accept permit	0.25 hrs	Fri 28/04/23 15:00	Fri 28/04/23 15:15	9747	Ash-Elec2,Ash-SSElec2
9749		Carry out Ash Electrical isolation	0.25 hrs	Fri 28/04/23 15:15	Fri 28/04/23 15:30	9748	Ash-Elec2,Ash-SSElec2
9750		Check loose connections inside the panel	0.25 hrs	Fri 28/04/23 15:30	Fri 28/04/23 15:45	9749	Ash-Elec2,Ash-SSElec2
9751		Service panel components & clear dust	0.25 hrs	Fri 28/04/23 15:45	Fri 28/04/23 16:00	9750	Ash-Elec2,Ash-SSElec2
9752		Service Field Isolator	0.25 hrs	Fri 28/04/23 16:00	Fri 28/04/23 16:15	9751	Ash-Elec2,Ash-SSElec2
9753		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 28/04/23 16:15	Fri 28/04/23 16:30	9752	Ash-Elec2,Ash-SSElec2
9754		Seal for Moisture and dust.	0.25 hrs	Fri 28/04/23 16:30	Fri 28/04/23 16:45	9753	Ash-Elec2,Ash-SSElec2
9755		Confirm correct protection settings	0.25 hrs	Fri 28/04/23 16:45	Fri 28/04/23 17:00	9754	Ash-Elec2,Ash-SSElec2
9756		Wire circuit for new crusher	4 hrs	Fri 28/04/23 17:00	Sat 29/04/23 10:00	9755	Ash-Elec2,Ash-SSElec2
9757		Test parameters for compatability	1 hr	Sat 29/04/23 10:00	Sat 29/04/23 11:00	9756	Ash-Elec2,Ash-SSElec2
9758		Clear permit	0.25 hrs	Sat 29/04/23 11:00	Sat 29/04/23 11:15	9757	Ash-Elec2,Ash-SSElec2
9759	**29C2GF11**	**# B1 PRE-ROLLER CRUSHER – Carry out inspections and service**	**2.5 hrs**	**Sat 29/04/23 11:15**	**Sat 29/04/23 14:15**	**9746**	
9760		Make out permit	0.25 hrs	Sat 29/04/23 11:15	Sat 29/04/23 11:30		Operations
9761		Accept permit	0.25 hrs	Sat 29/04/23 11:30	Sat 29/04/23 11:45	9760	Ash-Elec2,Ash-SSElec2
9762		Carry out Ash Electrical isolation	0.25 hrs	Sat 29/04/23 11:45	Sat 29/04/23 12:00	9761	Ash-Elec2,Ash-SSElec2
9763		Check loose connections inside the panel	0.25 hrs	Sat 29/04/23 12:30	Sat 29/04/23 12:45	9762	Ash-Elec2,Ash-SSElec2
9764		Service panel components & clear dust	0.25 hrs	Sat 29/04/23 12:45	Sat 29/04/23 13:00	9763	Ash-Elec2,Ash-SSElec2
9765		Service Field Isolator	0.25 hrs	Sat 29/04/23 13:00	Sat 29/04/23 13:15	9764	Ash-Elec2,Ash-SSElec2
9766		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 29/04/23 13:15	Sat 29/04/23 13:30	9765	Ash-Elec2,Ash-SSElec2
9767		Seal for Moisture and dust.	0.25 hrs	Sat 29/04/23 13:30	Sat 29/04/23 13:45	9766	Ash-Elec2,Ash-SSElec2
9768		Confirm correct protection settings	0.25 hrs	Sat 29/04/23 13:45	Sat 29/04/23 14:00	9767	Ash-Elec2,Ash-SSElec2
9769		Clear permit	0.25 hrs	Sat 29/04/23 14:00	Sat 29/04/23 14:15	9768	Ash-Elec2,Ash-SSElec2
9770	**29C2GF12**	**# B2 PRE-ROLLER CRUSHER – Carry out inspections and service**	**2.5 hrs**	**Sat 29/04/23 14:15**	**Sat 29/04/23 16:45**	**9759**	
9771		Make out permit	0.25 hrs	Sat 29/04/23 14:15	Sat 29/04/23 14:30		Operations
9772		Accept permit	0.25 hrs	Sat 29/04/23 14:30	Sat 29/04/23 14:45	9771	Ash-Elec2,Ash-SSElec2
9773		Carry out Ash Electrical isolation	0.25 hrs	Sat 29/04/23 14:45	Sat 29/04/23 15:00	9772	Ash-Elec2,Ash-SSElec2
9774		Check loose connections inside the panel	0.25 hrs	Sat 29/04/23 15:00	Sat 29/04/23 15:15	9773	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9775			Service panel components & clear dust	0.25 hrs	Sat 29/04/23 15:15	Sat 29/04/23 15:30	9774	Ash-Elec2,Ash-SSElec2
9776			Service Field Isolator	0.25 hrs	Sat 29/04/23 15:30	Sat 29/04/23 15:45	9775	Ash-Elec2,Ash-SSElec2
9777			Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:00	9776	Ash-Elec2,Ash-SSElec2
9778			Seal for Moisture and dust.	0.25 hrs	Sat 29/04/23 16:00	Sat 29/04/23 16:15	9777	Ash-Elec2,Ash-SSElec2
9779			Confirm correct protection settings	0.25 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:30	9778	Ash-Elec2,Ash-SSElec2
9780			Clear permit	0.25 hrs	Sat 29/04/23 16:30	Sat 29/04/23 16:45	9779	Ash-Elec2,Ash-SSElec2
9781		**29C2GF13**	**# B3 PRE-ROLLER CRUSHER – Carry out inspections and service**	**2.5 hrs**	**Sat 29/04/23 16:45**	**Sun 30/04/23 08:15**	**9770**	
9782			Make out permit	0.25 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:00		Operations
9783			Accept permit	0.25 hrs	Sat 29/04/23 17:00	Sat 29/04/23 17:15	9782	Ash-Elec2,Ash-SSElec2
9784			Carry out Ash Electrical isolation	0.25 hrs	Sat 29/04/23 17:15	Sat 29/04/23 17:30	9783	Ash-Elec2,Ash-SSElec2
9785			Check loose connections inside the panel	0.25 hrs	Sat 29/04/23 17:30	Sat 29/04/23 17:45	9784	Ash-Elec2,Ash-SSElec2
9786			Service panel components & clear dust	0.25 hrs	Sat 29/04/23 17:45	Sat 29/04/23 18:00	9785	Ash-Elec2,Ash-SSElec2
9787			Service Field Isolator	0.25 hrs	Sun 30/04/23 07:00	Sun 30/04/23 07:15	9786	Ash-Elec2,Ash-SSElec2
9788			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:30	9787	Ash-Elec2,Ash-SSElec2
9789			Seal for Moisture and dust.	0.25 hrs	Sun 30/04/23 07:30	Sun 30/04/23 07:45	9788	Ash-Elec2,Ash-SSElec2
9790			Confirm correct protection settings	0.25 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:00	9789	Ash-Elec2,Ash-SSElec2
9791			Clear permit	0.25 hrs	Sun 30/04/23 08:00	Sun 30/04/23 08:15	9790	Ash-Elec2,Ash-SSElec2
9792		**29C2GF14**	**# B4 PRE-ROLLER CRUSHER – Carry out inspections and service**	**8.25 hrs**	**Sun 30/04/23 08:15**	**Sun 30/04/23 17:00**	**9781**	
9793			Make out permit	0.25 hrs	Sun 30/04/23 08:15	Sun 30/04/23 08:30		Operations
9794			Accept permit	0.25 hrs	Sun 30/04/23 08:30	Sun 30/04/23 08:45	9793	Ash-Elec5,Ash-SSElec5
9795			Carry out Ash Electrical isolation	0.25 hrs	Sun 30/04/23 08:45	Sun 30/04/23 09:00	9794	Ash-Elec5,Ash-SSElec5
9796			Replace DB board	4 hrs	Sun 30/04/23 09:00	Sun 30/04/23 13:30	9795	Ash-Elec5,Ash-SSElec5,M Ramatlhakeng,S Monna
9797			Remove old circuit breaker	0.25 hrs	Sun 30/04/23 13:30	Sun 30/04/23 13:45	9796	Ash-Elec5,Ash-SSElec5
9798			Install new circuit breaker	1.5 hrs	Sun 30/04/23 13:45	Sun 30/04/23 15:15	9797	Ash-Elec5,Ash-SSElec5
9799			Check loose connections inside the panel	0.25 hrs	Sun 30/04/23 15:15	Sun 30/04/23 15:30	9798	Ash-Elec5,Ash-SSElec5
9800			Service panel components & clear dust	0.25 hrs	Sun 30/04/23 15:30	Sun 30/04/23 15:45	9799	Ash-Elec5,Ash-SSElec5
9801			Service Field Isolator	0.25 hrs	Sun 30/04/23 15:45	Sun 30/04/23 16:00	9800	Ash-Elec5,Ash-SSElec5
9802			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 30/04/23 16:00	Sun 30/04/23 16:15	9801	Ash-Elec5,Ash-SSElec5
9803			Seal for Moisture and dust.	0.25 hrs	Sun 30/04/23 16:15	Sun 30/04/23 16:30	9802	Ash-Elec5,Ash-SSElec5
9804			Confirm correct protection settings	0.25 hrs	Sun 30/04/23 16:30	Sun 30/04/23 16:45	9803	Ash-Elec5,Ash-SSElec5
9805			Clear permit	0.25 hrs	Sun 30/04/23 16:45	Sun 30/04/23 17:00	9804	Ash-Elec5,Ash-SSElec5
9806		**29C2GN07**	**B1 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**14.25 hrs**	**Tue 02/05/23 13:45**	**Wed 03/05/23 17:30**	**2391**	
9807			Make out permit	0.25 hrs	Tue 02/05/23 13:45	Tue 02/05/23 14:00		Operations
9808			Accept permit	0.25 hrs	Tue 02/05/23 14:00	Tue 02/05/23 14:15	9807	Ash-Elec2,Ash-SSElec2
9809			Carry out Ash Electrical isolation	0.25 hrs	Tue 02/05/23 14:15	Tue 02/05/23 14:30	9808	Ash-Elec2,Ash-SSElec2
9810			Replace DB board	4 hrs	Tue 02/05/23 14:30	Wed 03/05/23 07:30	9809	Ash-Elec2,Ash-SSElec2,M Ramatlhakeng,S Monna
9811			Remove old circuit breaker	0.25 hrs	Wed 03/05/23 07:30	Wed 03/05/23 07:45	9810	Ash-Elec2,Ash-SSElec2
9812			Install new circuit breaker	1.5 hrs	Wed 03/05/23 07:45	Wed 03/05/23 09:15	9811	Ash-Elec2,Ash-SSElec2
9813			Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 09:15	Wed 03/05/23 09:30	9812	Ash-Elec2,Ash-SSElec2
9814			Service panel components & clear dust	1 hr	Wed 03/05/23 09:30	Wed 03/05/23 10:30	9813	Ash-Elec2,Ash-SSElec2
9815			Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Wed 03/05/23 10:30	Wed 03/05/23 12:00	9814	Ash-Elec2,Ash-SSElec2
9816			Replace worn Butt terminals/Lugs	1.5 hrs	Wed 03/05/23 12:30	Wed 03/05/23 14:00	9815	Ash-Elec2,Ash-SSElec2
9817			Check Protection Breakers for open circuit	0.5 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:30	9816	Ash-Elec2,Ash-SSElec2
9818			Service Field Isolator	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	9817	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9819			Label Controllers, current monitors & rear terminals	2 hrs	Wed 03/05/23 14:45	Wed 03/05/23 16:45	9818	Ash-Elec2,Ash-SSElec2
9820			Confirm correct Current Monitor settings	0.25 hrs	Wed 03/05/23 16:45	Wed 03/05/23 17:00	9819	Ash-Elec2,Ash-SSElec2
9821			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:15	9820	Ash-Elec2,Ash-SSElec2
9822			Clear permit	0.25 hrs	Wed 03/05/23 17:15	Wed 03/05/23 17:30	9821	Ash-Elec2,Ash-SSElec2
9823		**29C2GN08**	**B2 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Wed 03/05/23 17:30**	**Thu 04/05/23 15:30**	**9806**	
9824			Make out permit	0.25 hrs	Wed 03/05/23 17:30	Wed 03/05/23 17:45		Operations
9825			Accept permit	0.25 hrs	Wed 03/05/23 17:45	Wed 03/05/23 18:00	9824	Ash-Elec2,Ash-SSElec2
9826			Carry out Ash Electrical isolation	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	9825	Ash-Elec2,Ash-SSElec2
9827			Check loose connections inside the panel	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	9826	Ash-Elec2,Ash-SSElec2
9828			Service panel components & clear dust	1 hr	Thu 04/05/23 07:30	Thu 04/05/23 08:30	9827	Ash-Elec2,Ash-SSElec2
9829			Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Thu 04/05/23 08:30	Thu 04/05/23 10:00	9828	Ash-Elec2,Ash-SSElec2
9830			Replace worn Butt terminals/Lugs	1.5 hrs	Thu 04/05/23 10:00	Thu 04/05/23 11:30	9829	Ash-Elec2,Ash-SSElec2
9831			Check Protection Breakers for open circuit	0.5 hrs	Thu 04/05/23 11:30	Thu 04/05/23 12:00	9830	Ash-Elec2,Ash-SSElec2
9832			Service Field Isolator	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	9831	Ash-Elec2,Ash-SSElec2
9833			Label Controllers, current monitors & rear terminals	2 hrs	Thu 04/05/23 12:45	Thu 04/05/23 14:45	9832	Ash-Elec2,Ash-SSElec2
9834			Confirm correct Current Monitor settings	0.25 hrs	Thu 04/05/23 14:45	Thu 04/05/23 15:00	9833	Ash-Elec2,Ash-SSElec2
9835			Confirm correct protection settings	0.25 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:15	9834	Ash-Elec2,Ash-SSElec2
9836			Clear permit	0.25 hrs	Thu 04/05/23 15:15	Thu 04/05/23 15:30	9835	Ash-Elec2,Ash-SSElec2
9837		**29C2GN09**	**B3 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Thu 04/05/23 15:30**	**Fri 05/05/23 13:30**	**9823**	
9838			Make out permit	0.25 hrs	Thu 04/05/23 15:30	Thu 04/05/23 15:45		Operations
9839			Accept permit	0.25 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:00	9838	Ash-Elec2,Ash-SSElec2
9840			Carry out Ash Electrical isolation	0.25 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:15	9839	Ash-Elec2,Ash-SSElec2
9841			Check loose connections inside the panel	0.25 hrs	Thu 04/05/23 16:15	Thu 04/05/23 16:30	9840	Ash-Elec2,Ash-SSElec2
9842			Service panel components & clear dust	1 hr	Thu 04/05/23 16:30	Thu 04/05/23 17:30	9841	Ash-Elec2,Ash-SSElec2
9843			Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Thu 04/05/23 17:30	Fri 05/05/23 08:00	9842	Ash-Elec2,Ash-SSElec2
9844			Replace worn Butt terminals/Lugs	1.5 hrs	Fri 05/05/23 08:00	Fri 05/05/23 09:30	9843	Ash-Elec2,Ash-SSElec2
9845			Check Protection Breakers for open circuit	0.5 hrs	Fri 05/05/23 09:30	Fri 05/05/23 10:00	9844	Ash-Elec2,Ash-SSElec2
9846			Service Field Isolator	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	9845	Ash-Elec2,Ash-SSElec2
9847			Label Controllers, current monitors & rear terminals	2 hrs	Fri 05/05/23 10:15	Fri 05/05/23 12:45	9846	Ash-Elec2,Ash-SSElec2
9848			Confirm correct Current Monitor settings	0.25 hrs	Fri 05/05/23 12:45	Fri 05/05/23 13:00	9847	Ash-Elec2,Ash-SSElec2
9849			Confirm correct protection settings	0.25 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:15	9848	Ash-Elec2,Ash-SSElec2
9850			Clear permit	0.25 hrs	Fri 05/05/23 13:15	Fri 05/05/23 13:30	9849	Ash-Elec2,Ash-SSElec2
9851		**29C2GN10**	**B4 PRIMARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**14.25 hrs**	**Wed 03/05/23 15:30**	**Fri 05/05/23 08:15**	**6029**	
9852			Make out permit	0.25 hrs	Wed 03/05/23 15:30	Wed 03/05/23 15:45		Operations
9853			Accept permit	0.25 hrs	Wed 03/05/23 15:45	Wed 03/05/23 16:00	9852	Ash-Elec4,Ash-SSElec4
9854			Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:15	9853	Ash-Elec4,Ash-SSElec4
9855			Check loose connections inside the panel	0.25 hrs	Wed 03/05/23 16:15	Wed 03/05/23 16:30	9854	Ash-Elec4,Ash-SSElec4
9856			Service panel components & clear dust	1 hr	Wed 03/05/23 16:30	Wed 03/05/23 17:30	9855	Ash-Elec4,Ash-SSElec4
9857			Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Wed 03/05/23 17:30	Thu 04/05/23 08:00	9856	Ash-Elec4,Ash-SSElec4
9858			Replace DB board	4 hrs	Thu 04/05/23 08:00	Thu 04/05/23 12:00	9857	Ash-Elec4,Ash-SSElec4,M Ramatlhakeng,S Monna
9859			Remove old circuit breaker	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	9858	Ash-Elec4,Ash-SSElec4
9860			Install new circuit breaker	1.5 hrs	Thu 04/05/23 12:45	Thu 04/05/23 14:15	9859	Ash-Elec4,Ash-SSElec4

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9861		Replace worn Butt terminals/Lugs	1.5 hrs	Thu 04/05/23 14:15	Thu 04/05/23 15:45	9860	Ash-Elec4,Ash-SSElec4
9862		Check Protection Breakers for open circuit	0.5 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:15	9861	Ash-Elec4,Ash-SSElec4
9863		Service Field Isolator	0.25 hrs	Thu 04/05/23 16:15	Thu 04/05/23 16:30	9862	Ash-Elec4,Ash-SSElec4
9864		Label Controllers, current monitors & rear terminals	2 hrs	Thu 04/05/23 16:30	Fri 05/05/23 07:30	9863	Ash-Elec4,Ash-SSElec4
9865		Confirm correct Current Monitor settings	0.25 hrs	Fri 05/05/23 07:30	Fri 05/05/23 07:45	9864	Ash-Elec4,Ash-SSElec4
9866		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 07:45	Fri 05/05/23 08:00	9865	Ash-Elec4,Ash-SSElec4
9867		Clear permit	0.25 hrs	Fri 05/05/23 08:00	Fri 05/05/23 08:15	9866	Ash-Elec4,Ash-SSElec4
9868	**29C2GN11**	**B1 SECONDARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Fri 05/05/23 08:15**	**Fri 05/05/23 17:15**	**9851**	
9869		Make out permit	0.25 hrs	Fri 05/05/23 08:15	Fri 05/05/23 08:30		Operations
9870		Accept permit	0.25 hrs	Fri 05/05/23 08:30	Fri 05/05/23 08:45	9869	Ash-Elec4,Ash-SSElec4
9871		Carry out Ash Electrical isolation	0.25 hrs	Fri 05/05/23 08:45	Fri 05/05/23 09:00	9870	Ash-Elec4,Ash-SSElec4
9872		Check loose connections inside the panel	0.25 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:15	9871	Ash-Elec4,Ash-SSElec4
9873		Service panel components & clear dust	1 hr	Fri 05/05/23 09:15	Fri 05/05/23 10:15	9872	Ash-Elec4,Ash-SSElec4
9874		Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Fri 05/05/23 10:15	Fri 05/05/23 11:45	9873	Ash-Elec4,Ash-SSElec4
9875		Replace worn Butt terminals/Lugs	1.5 hrs	Fri 05/05/23 11:45	Fri 05/05/23 13:45	9874	Ash-Elec4,Ash-SSElec4
9876		Check Protection Breakers for open circuit	0.5 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:15	9875	Ash-Elec4,Ash-SSElec4
9877		Service Field Isolator	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	9876	Ash-Elec4,Ash-SSElec4
9878		Label Controllers, current monitors & rear terminals	2 hrs	Fri 05/05/23 14:30	Fri 05/05/23 16:30	9877	Ash-Elec4,Ash-SSElec4
9879		Confirm correct Current Monitor settings	0.25 hrs	Fri 05/05/23 16:30	Fri 05/05/23 16:45	9878	Ash-Elec4,Ash-SSElec4
9880		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 16:45	Fri 05/05/23 17:00	9879	Ash-Elec4,Ash-SSElec4
9881		Clear permit	0.25 hrs	Fri 05/05/23 17:00	Fri 05/05/23 17:15	9880	Ash-Elec4,Ash-SSElec4
9882	**29C2GN12**	**B2 SECONDARY VIBRATING SCREEN - Carry out maintenance on Ash Electrical components**	**8.5 hrs**	**Fri 05/05/23 17:15**	**Sat 06/05/23 15:15**	**9868**	
9883		Make out permit	0.25 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:30		Operations
9884		Accept permit	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	9883	Ash-Elec4,Ash-SSElec4
9885		Carry out Ash Electrical isolation	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	9884	Ash-Elec4,Ash-SSElec4
9886		Check loose connections inside the panel	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	9885	Ash-Elec4,Ash-SSElec4
9887		Service panel components & clear dust	1 hr	Sat 06/05/23 07:15	Sat 06/05/23 08:15	9886	Ash-Elec4,Ash-SSElec4
9888		Service Terminal Box, replace worn Clip-on terminals	1.5 hrs	Sat 06/05/23 08:15	Sat 06/05/23 09:45	9887	Ash-Elec4,Ash-SSElec4
9889		Replace worn Butt terminals/Lugs	1.5 hrs	Sat 06/05/23 09:45	Sat 06/05/23 11:15	9888	Ash-Elec4,Ash-SSElec4
9890		Check Protection Breakers for open circuit	0.5 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:45	9889	Ash-Elec4,Ash-SSElec4
9891		Service Field Isolator	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	9890	Ash-Elec4,Ash-SSElec4
9892		Label Controllers, current monitors & rear terminals	2 hrs	Sat 06/05/23 12:30	Sat 06/05/23 14:30	9891	Ash-Elec4,Ash-SSElec4
9893		Confirm correct Current Monitor settings	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	9892	Ash-Elec4,Ash-SSElec4
9894		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	9893	Ash-Elec4,Ash-SSElec4
9895		Clear permit	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	9894	Ash-Elec4,Ash-SSElec4
9896	**29C2RH05**	**B1 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Sun 30/04/23 07:43**	**Mon 01/05/23 08:28**	**1746**	
9897		Make out permit	0.25 hrs	Sun 30/04/23 07:43	Sun 30/04/23 07:58		Operations
9898		Accept permit	0.25 hrs	Sun 30/04/23 07:58	Sun 30/04/23 08:13	9897	Ash-Elec1,Ash-SSElec1
9899		Carry out Ash Electrical isolation	0.25 hrs	Sun 30/04/23 08:13	Sun 30/04/23 08:28	9898	Ash-Elec1,Ash-SSElec1
9900		Disconnect control card	0.5 hrs	Sun 30/04/23 08:28	Sun 30/04/23 08:58	9899	Ash-Elec1,Ash-SSElec1
9901		Wash control card	0.5 hrs	Sun 30/04/23 08:58	Sun 30/04/23 09:28	9900	Ash-Elec1,Ash-SSElec1
9902		Dry card	6 hrs	Sun 30/04/23 09:28	Sun 30/04/23 15:58	9901	Ash-Elec1,Ash-SSElec1
9903		Install control card	0.5 hrs	Sun 30/04/23 15:58	Sun 30/04/23 16:28	9902	Ash-Elec1,Ash-SSElec1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9904		Tighten Ash Electrical connections in the panel	0.25 hrs	Sun 30/04/23 16:28	Sun 30/04/23 16:43	9903	Ash-Elec1,Ash-SSElec1
9905		Service panel components & Clear dust	0.25 hrs	Sun 30/04/23 16:43	Sun 30/04/23 16:58	9904	Ash-Elec1,Ash-SSElec1
9906		Service Field Isolator	0.25 hrs	Sun 30/04/23 16:58	Sun 30/04/23 17:13	9905	Ash-Elec1,Ash-SSElec1
9907		Check Coil supply cables for damage	0.25 hrs	Sun 30/04/23 17:13	Sun 30/04/23 17:28	9906	Ash-Elec1,Ash-SSElec1
9908		Clear dust inside Armature assembly	0.25 hrs	Sun 30/04/23 17:28	Sun 30/04/23 17:43	9907	Ash-Elec1,Ash-SSElec1
9909		Set gap between Coil and armature core	0.25 hrs	Sun 30/04/23 17:43	Sun 30/04/23 17:58	9908	Ash-Elec1,Ash-SSElec1
9910		Ensure all adjusting screws are functional	0.25 hrs	Sun 30/04/23 17:58	Mon 01/05/23 07:13	9909	Ash-Elec1,Ash-SSElec1
9911		Tighten Coil mounting screw	0.25 hrs	Mon 01/05/23 07:13	Mon 01/05/23 07:28	9910	Ash-Elec1,Ash-SSElec1
9912		Reconnect control card	0.5 hrs	Mon 01/05/23 07:28	Mon 01/05/23 07:58	9911	Ash-Elec1,Ash-SSElec1
9913		Confirm correct protection settings	0.25 hrs	Mon 01/05/23 07:58	Mon 01/05/23 08:13	9912	Ash-Elec1,Ash-SSElec1
9914		Clear permit	0.25 hrs	Mon 01/05/23 08:13	Mon 01/05/23 08:28	9913	Ash-Elec1,Ash-SSElec1
9915	**29C2RH06**	**B2 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Mon 01/05/23 08:28**	**Tue 02/05/23 09:13**	**9896**	
9916		Make out permit	0.25 hrs	Mon 01/05/23 08:28	Mon 01/05/23 08:43		Operations
9917		Accept permit	0.25 hrs	Mon 01/05/23 08:43	Mon 01/05/23 08:58	9916	Ash-Elec1,Ash-SSElec1
9918		Carry out Ash Electrical isolation	0.25 hrs	Mon 01/05/23 08:58	Mon 01/05/23 09:13	9917	Ash-Elec1,Ash-SSElec1
9919		Disconnect control card	0.5 hrs	Mon 01/05/23 09:13	Mon 01/05/23 09:43	9918	Ash-Elec1,Ash-SSElec1
9920		Wash control card	0.5 hrs	Mon 01/05/23 09:43	Mon 01/05/23 10:13	9919	Ash-Elec1,Ash-SSElec1
9921		Dry card	6 hrs	Mon 01/05/23 10:13	Mon 01/05/23 16:43	9920	Ash-Elec1,Ash-SSElec1
9922		Install control card	0.5 hrs	Mon 01/05/23 16:43	Mon 01/05/23 17:13	9921	Ash-Elec1,Ash-SSElec1
9923		Tighten Ash Electrical connections in the panel	0.25 hrs	Mon 01/05/23 17:13	Mon 01/05/23 17:28	9922	Ash-Elec1,Ash-SSElec1
9924		Service panel components & Clear dust	0.25 hrs	Mon 01/05/23 17:28	Mon 01/05/23 17:43	9923	Ash-Elec1,Ash-SSElec1
9925		Service Field Isolator	0.25 hrs	Mon 01/05/23 17:43	Mon 01/05/23 17:58	9924	Ash-Elec1,Ash-SSElec1
9926		Check Coil supply cables for damage	0.25 hrs	Mon 01/05/23 17:58	Tue 02/05/23 07:13	9925	Ash-Elec1,Ash-SSElec1
9927		Clear dust inside Armature assembly	0.25 hrs	Tue 02/05/23 07:13	Tue 02/05/23 07:28	9926	Ash-Elec1,Ash-SSElec1
9928		Set gap between Coil and armature core	0.25 hrs	Tue 02/05/23 07:28	Tue 02/05/23 07:43	9927	Ash-Elec1,Ash-SSElec1
9929		Ensure all adjusting screws are functional	0.25 hrs	Tue 02/05/23 07:43	Tue 02/05/23 07:58	9928	Ash-Elec1,Ash-SSElec1
9930		Tighten Coil mounting screw	0.25 hrs	Tue 02/05/23 07:58	Tue 02/05/23 08:13	9929	Ash-Elec1,Ash-SSElec1
9931		Reconnect control card	0.5 hrs	Tue 02/05/23 08:13	Tue 02/05/23 08:43	9930	Ash-Elec1,Ash-SSElec1
9932		Confirm correct protection settings	0.25 hrs	Tue 02/05/23 08:43	Tue 02/05/23 08:58	9931	Ash-Elec1,Ash-SSElec1
9933		Clear permit	0.25 hrs	Tue 02/05/23 08:58	Tue 02/05/23 09:13	9932	Ash-Elec1,Ash-SSElec1
9934	**29C2RH07**	**B3 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Tue 02/05/23 09:13**	**Wed 03/05/23 09:58**	**9915**	
9935		Make out permit	0.25 hrs	Tue 02/05/23 09:13	Tue 02/05/23 09:28		Operations
9936		Accept permit	0.25 hrs	Tue 02/05/23 09:28	Tue 02/05/23 09:43	9935	Ash-Elec1,Ash-SSElec1
9937		Carry out Ash Electrical isolation	0.25 hrs	Tue 02/05/23 09:43	Tue 02/05/23 09:58	9936	Ash-Elec1,Ash-SSElec1
9938		Disconnect control card	0.5 hrs	Tue 02/05/23 09:58	Tue 02/05/23 10:28	9937	Ash-Elec1,Ash-SSElec1
9939		Wash control card	0.5 hrs	Tue 02/05/23 10:28	Tue 02/05/23 10:58	9938	Ash-Elec1,Ash-SSElec1
9940		Dry card	6 hrs	Tue 02/05/23 10:58	Tue 02/05/23 17:28	9939	Ash-Elec1,Ash-SSElec1
9941		Install control card	0.5 hrs	Tue 02/05/23 17:28	Tue 02/05/23 17:58	9940	Ash-Elec1,Ash-SSElec1
9942		Tighten Ash Electrical connections in the panel	0.25 hrs	Tue 02/05/23 17:58	Wed 03/05/23 07:13	9941	Ash-Elec1,Ash-SSElec1
9943		Service panel components & Clear dust	0.25 hrs	Wed 03/05/23 07:13	Wed 03/05/23 07:28	9942	Ash-Elec1,Ash-SSElec1
9944		Service Field Isolator	0.25 hrs	Wed 03/05/23 07:28	Wed 03/05/23 07:43	9943	Ash-Elec1,Ash-SSElec1
9945		Check Coil supply cables for damage	0.25 hrs	Wed 03/05/23 07:43	Wed 03/05/23 07:58	9944	Ash-Elec1,Ash-SSElec1
9946		Clear dust inside Armature assembly	0.25 hrs	Wed 03/05/23 07:58	Wed 03/05/23 08:13	9945	Ash-Elec1,Ash-SSElec1
9947		Set gap between Coil and armature core	0.25 hrs	Wed 03/05/23 08:13	Wed 03/05/23 08:28	9946	Ash-Elec1,Ash-SSElec1
9948		Ensure all adjusting screws are functional	0.25 hrs	Wed 03/05/23 08:28	Wed 03/05/23 08:43	9947	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9949			Tighten Coil mounting screw	0.25 hrs	Wed 03/05/23 08:43	Wed 03/05/23 08:58	9948	Ash-Elec1,Ash-SSElec1
9950			Reconnect control card	0.5 hrs	Wed 03/05/23 08:58	Wed 03/05/23 09:28	9949	Ash-Elec1,Ash-SSElec1
9951			Confirm correct protection settings	0.25 hrs	Wed 03/05/23 09:28	Wed 03/05/23 09:43	9950	Ash-Elec1,Ash-SSElec1
9952			Clear permit	0.25 hrs	Wed 03/05/23 09:43	Wed 03/05/23 09:58	9951	Ash-Elec1,Ash-SSElec1
9953		**29C2RH08**	**B4 VIBRATING DISTRIBUTOR - Carry out maintenance**	**11.25 hrs**	**Wed 03/05/23 09:58**	**Thu 04/05/23 10:43**	**9934**	
9954			Make out permit	0.25 hrs	Wed 03/05/23 09:58	Wed 03/05/23 10:13		Operations
9955			Accept permit	0.25 hrs	Wed 03/05/23 10:13	Wed 03/05/23 10:28	9954	Ash-Elec1,Ash-SSElec1
9956			Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 10:28	Wed 03/05/23 10:43	9955	Ash-Elec1,Ash-SSElec1
9957			Disconnect control card	0.5 hrs	Wed 03/05/23 10:43	Wed 03/05/23 11:13	9956	Ash-Elec1,Ash-SSElec1
9958			Wash control card	0.5 hrs	Wed 03/05/23 11:13	Wed 03/05/23 11:43	9957	Ash-Elec1,Ash-SSElec1
9959			Dry card	6 hrs	Wed 03/05/23 11:43	Thu 04/05/23 07:13	9958	Ash-Elec1,Ash-SSElec1
9960			Install control card	0.5 hrs	Thu 04/05/23 07:13	Thu 04/05/23 07:43	9959	Ash-Elec1,Ash-SSElec1
9961			Tighten Ash Electrical connections in the panel	0.25 hrs	Thu 04/05/23 07:43	Thu 04/05/23 07:58	9960	Ash-Elec1,Ash-SSElec1
9962			Service panel components & Clear dust	0.25 hrs	Thu 04/05/23 07:58	Thu 04/05/23 08:13	9961	Ash-Elec1,Ash-SSElec1
9963			Service Field Isolator	0.25 hrs	Thu 04/05/23 08:13	Thu 04/05/23 08:28	9962	Ash-Elec1,Ash-SSElec1
9964			Check Coil supply cables for damage	0.25 hrs	Thu 04/05/23 08:28	Thu 04/05/23 08:43	9963	Ash-Elec1,Ash-SSElec1
9965			Clear dust inside Armature assembly	0.25 hrs	Thu 04/05/23 08:43	Thu 04/05/23 08:58	9964	Ash-Elec1,Ash-SSElec1
9966			Set gap between Coil and armature core	0.25 hrs	Thu 04/05/23 08:58	Thu 04/05/23 09:13	9965	Ash-Elec1,Ash-SSElec1
9967			Ensure all adjusting screws are functional	0.25 hrs	Thu 04/05/23 09:13	Thu 04/05/23 09:28	9966	Ash-Elec1,Ash-SSElec1
9968			Tighten Coil mounting screw	0.25 hrs	Thu 04/05/23 09:28	Thu 04/05/23 09:43	9967	Ash-Elec1,Ash-SSElec1
9969			Reconnect control card	0.5 hrs	Thu 04/05/23 09:43	Thu 04/05/23 10:13	9968	Ash-Elec1,Ash-SSElec1
9970			Confirm correct protection settings	0.25 hrs	Thu 04/05/23 10:13	Thu 04/05/23 10:28	9969	Ash-Elec1,Ash-SSElec1
9971			Clear permit	0.25 hrs	Thu 04/05/23 10:28	Thu 04/05/23 10:43	9970	Ash-Elec1,Ash-SSElec1
9972		**29C2RF09**	**B1 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Sun 30/04/23 17:00**	**Mon 01/05/23 09:15**	**9792**	
9973			Make out permit	0.25 hrs	Sun 30/04/23 17:00	Sun 30/04/23 17:15		Operations
9974			Accept permit	0.25 hrs	Sun 30/04/23 17:15	Sun 30/04/23 17:30	9973	Ash-Elec5,Ash-SSElec5
9975			Carry out Ash Electrical isolation	0.25 hrs	Sun 30/04/23 17:30	Sun 30/04/23 17:45	9974	Ash-Elec5,Ash-SSElec5
9976			Check loose connections in the panel	0.25 hrs	Sun 30/04/23 17:45	Sun 30/04/23 18:00	9975	Ash-Elec5,Ash-SSElec5
9977			Service panel components & Clear dust	0.25 hrs	Mon 01/05/23 07:00	Mon 01/05/23 07:15	9976	Ash-Elec5,Ash-SSElec5
9978			Service Field isolator	0.25 hrs	Mon 01/05/23 07:15	Mon 01/05/23 07:30	9977	Ash-Elec5,Ash-SSElec5
9979			Check underspeed sensor intergrity & circuit operation	0.25 hrs	Mon 01/05/23 07:30	Mon 01/05/23 07:45	9978	Ash-Elec5,Ash-SSElec5
9980			Service safe start circuit	0.25 hrs	Mon 01/05/23 07:45	Mon 01/05/23 08:00	9979	Ash-Elec5,Ash-SSElec5
9981			Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 01/05/23 08:00	Mon 01/05/23 08:15	9980	Ash-Elec5,Ash-SSElec5
9982			Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 08:15	Mon 01/05/23 08:30	9981	Ash-Elec5,Ash-SSElec5
9983			Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 08:30	Mon 01/05/23 08:45	9982	Ash-Elec5,Ash-SSElec5
9984			Confirm correct protection settings	0.25 hrs	Mon 01/05/23 08:45	Mon 01/05/23 09:00	9983	Ash-Elec5,Ash-SSElec5
9985			Clear permit	0.25 hrs	Mon 01/05/23 09:00	Mon 01/05/23 09:15	9984	Ash-Elec5,Ash-SSElec5
9986		**29C2RF10**	**B2 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Mon 01/05/23 09:15**	**Mon 01/05/23 13:00**	**9972**	
9987			Make out permit	0.25 hrs	Mon 01/05/23 09:15	Mon 01/05/23 09:30		Operations
9988			Accept permit	0.25 hrs	Mon 01/05/23 09:30	Mon 01/05/23 09:45	9987	Ash-Elec5,Ash-SSElec5
9989			Carry out Ash Electrical isolation	0.25 hrs	Mon 01/05/23 09:45	Mon 01/05/23 10:00	9988	Ash-Elec5,Ash-SSElec5
9990			Check loose connections in the panel	0.25 hrs	Mon 01/05/23 10:00	Mon 01/05/23 10:15	9989	Ash-Elec5,Ash-SSElec5
9991			Service panel components & Clear dust	0.25 hrs	Mon 01/05/23 10:15	Mon 01/05/23 10:30	9990	Ash-Elec5,Ash-SSElec5

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
9992		Service Field isolator	0.25 hrs	Mon 01/05/23 10:30	Mon 01/05/23 10:45	9991	Ash-Elec5,Ash-SSElec5
9993		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Mon 01/05/23 10:45	Mon 01/05/23 11:00	9992	Ash-Elec5,Ash-SSElec5
9994		Service safe start circuit	0.25 hrs	Mon 01/05/23 11:00	Mon 01/05/23 11:15	9993	Ash-Elec5,Ash-SSElec5
9995		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 01/05/23 11:15	Mon 01/05/23 11:30	9994	Ash-Elec5,Ash-SSElec5
9996		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 11:30	Mon 01/05/23 11:45	9995	Ash-Elec5,Ash-SSElec5
9997		Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 11:45	Mon 01/05/23 12:00	9996	Ash-Elec5,Ash-SSElec5
9998		Confirm correct protection settings	0.25 hrs	Mon 01/05/23 12:30	Mon 01/05/23 12:45	9997	Ash-Elec5,Ash-SSElec5
9999		Clear permit	0.25 hrs	Mon 01/05/23 12:45	Mon 01/05/23 13:00	9998	Ash-Elec5,Ash-SSElec5
10000	**29C2RF11**	**B3 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Mon 01/05/23 13:00**	**Mon 01/05/23 16:15**	**9986**	
10001		Make out permit	0.25 hrs	Mon 01/05/23 13:00	Mon 01/05/23 13:15		Operations
10002		Accept permit	0.25 hrs	Mon 01/05/23 13:15	Mon 01/05/23 13:30	10001	Ash-Elec5,Ash-SSElec5
10003		Carry out Ash Electrical isolation	0.25 hrs	Mon 01/05/23 13:30	Mon 01/05/23 13:45	10002	Ash-Elec5,Ash-SSElec5
10004		Check loose connections in the panel	0.25 hrs	Mon 01/05/23 13:45	Mon 01/05/23 14:00	10003	Ash-Elec5,Ash-SSElec5
10005		Service panel components & Clear dust	0.25 hrs	Mon 01/05/23 14:00	Mon 01/05/23 14:15	10004	Ash-Elec5,Ash-SSElec5
10006		Service Field isolator	0.25 hrs	Mon 01/05/23 14:15	Mon 01/05/23 14:30	10005	Ash-Elec5,Ash-SSElec5
10007		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Mon 01/05/23 14:30	Mon 01/05/23 14:45	10006	Ash-Elec5,Ash-SSElec5
10008		Service safe start circuit	0.25 hrs	Mon 01/05/23 14:45	Mon 01/05/23 15:00	10007	Ash-Elec5,Ash-SSElec5
10009		Inspect for possible Gear Box Seal leak	0.25 hrs	Mon 01/05/23 15:00	Mon 01/05/23 15:15	10008	Ash-Elec5,Ash-SSElec5
10010		Tighten Motor connections & Gland intergrity	0.25 hrs	Mon 01/05/23 15:15	Mon 01/05/23 15:30	10009	Ash-Elec5,Ash-SSElec5
10011		Seal for Moisture and dust.	0.25 hrs	Mon 01/05/23 15:30	Mon 01/05/23 15:45	10010	Ash-Elec5,Ash-SSElec5
10012		Confirm correct protection settings	0.25 hrs	Mon 01/05/23 15:45	Mon 01/05/23 16:00	10011	Ash-Elec5,Ash-SSElec5
10013		Clear permit	0.25 hrs	Mon 01/05/23 16:00	Mon 01/05/23 16:15	10012	Ash-Elec5,Ash-SSElec5
10014	**29C2RF12**	**B4 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**15.25 hrs**	**Mon 01/05/23 16:15**	**Wed 03/05/23 10:00**	**10000**	
10015		Make out permit	0.25 hrs	Mon 01/05/23 16:15	Mon 01/05/23 16:30		Operations
10016		Accept permit	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45	10015	Ash-Elec5,Ash-SSElec5
10017		Carry out Ash Electrical isolation	0.25 hrs	Mon 01/05/23 16:45	Mon 01/05/23 17:00	10016	Ash-Elec5,Ash-SSElec5
10018		Check loose connections in the panel	0.25 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:15	10017	Ash-Elec5,Ash-SSElec5
10019		Service panel components & Clear dust	0.25 hrs	Mon 01/05/23 17:15	Mon 01/05/23 17:30	10018	Ash-Elec5,Ash-SSElec5
10020		Service Field isolator	0.25 hrs	Mon 01/05/23 17:30	Mon 01/05/23 17:45	10019	Ash-Elec5,Ash-SSElec5
10021		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Mon 01/05/23 17:45	Mon 01/05/23 18:00	10020	Ash-Elec5,Ash-SSElec5
10022		Service safe start circuit	0.25 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:15	10021	Ash-Elec5,Ash-SSElec5
10023		Inspect for possible Gear Box Seal leak	0.25 hrs	Tue 02/05/23 07:15	Tue 02/05/23 07:30	10022	Ash-Elec5,Ash-SSElec5
10024		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 07:30	Tue 02/05/23 07:45	10023	Ash-Elec5,Ash-SSElec5
10025		Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 07:45	Tue 02/05/23 08:00	10024	Ash-Elec5,Ash-SSElec5
10026		Remove old siren	10 hrs	Tue 02/05/23 08:00	Wed 03/05/23 07:30	10025	Ash-Elec5,Ash-SSElec5
10027		Install new siren	2 hrs	Wed 03/05/23 07:30	Wed 03/05/23 09:30	10026	Ash-Elec5,Ash-SSElec5
10028		Confirm correct protection settings	0.25 hrs	Wed 03/05/23 09:30	Wed 03/05/23 09:45	10027	Ash-Elec5,Ash-SSElec5
10029		Clear permit	0.25 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:00	10028	Ash-Elec5,Ash-SSElec5
10030	**29C2RF13**	**B5 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3.25 hrs**	**Wed 03/05/23 10:00**	**Wed 03/05/23 13:45**	**10014**	
10031		Make out permit	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15		Operations
10032		Accept permit	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	10031	Ash-Elec5,Ash-SSElec5
10033		Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 10:30	Wed 03/05/23 10:45	10032	Ash-Elec5,Ash-SSElec5

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10034		Check loose connections in the panel	0.25 hrs	Wed 03/05/23 10:45	Wed 03/05/23 11:00	10033	Ash-Elec5,Ash-SSElec5
10035		Service panel components & Clear dust	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15	10034	Ash-Elec5,Ash-SSElec5
10036		Service Field isolator	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	10035	Ash-Elec5,Ash-SSElec5
10037		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	10036	Ash-Elec5,Ash-SSElec5
10038		Service safe start circuit	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	10037	Ash-Elec5,Ash-SSElec5
10039		Inspect for possible Gear Box Seal leak	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	10038	Ash-Elec5,Ash-SSElec5
10040		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	10039	Ash-Elec5,Ash-SSElec5
10041		Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	10040	Ash-Elec5,Ash-SSElec5
10042		Confirm correct protection settings	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30	10041	Ash-Elec5,Ash-SSElec5
10043		Clear permit	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	10042	Ash-Elec5,Ash-SSElec5
10044	**29C2RF14**	**B6 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**25.25 hrs**	**Wed 03/05/23 13:45**	**Fri 05/05/23 18:00**	**10030**	
10045		Make out permit	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00		Operations
10046		Accept permit	0.25 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:15	10045	Ash-Elec5,Ash-SSElec5
10047		Carry out Ash Electrical isolation	0.25 hrs	Wed 03/05/23 14:15	Wed 03/05/23 14:30	10046	Ash-Elec5,Ash-SSElec5
10048		Paint motor	6 hrs	Wed 03/05/23 14:30	Thu 04/05/23 09:30	10047	Ash-Elec5,Ash-SSElec5
10049		Curing time	4 hrs	Thu 04/05/23 09:30	Thu 04/05/23 14:00	10048	Ash-Elec5,Ash-SSElec5
10050		Check loose connections in the panel	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	10049	Ash-Elec5,Ash-SSElec5
10051		Service panel components & Clear dust	0.25 hrs	Thu 04/05/23 14:15	Thu 04/05/23 14:30	10050	Ash-Elec5,Ash-SSElec5
10052		Service Field isolator	0.25 hrs	Thu 04/05/23 14:30	Thu 04/05/23 14:45	10051	Ash-Elec5,Ash-SSElec5
10053		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Thu 04/05/23 14:45	Thu 04/05/23 15:00	10052	Ash-Elec5,Ash-SSElec5
10054		Service safe start circuit	0.25 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:15	10053	Ash-Elec5,Ash-SSElec5
10055		Inspect for possible Gear Box Seal leak	0.25 hrs	Thu 04/05/23 15:15	Thu 04/05/23 15:30	10054	Ash-Elec5,Ash-SSElec5
10056		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 15:30	Thu 04/05/23 15:45	10055	Ash-Elec5,Ash-SSElec5
10057		Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:00	10056	Ash-Elec5,Ash-SSElec5
10058		Remove old siren	10 hrs	Thu 04/05/23 16:00	Fri 05/05/23 15:30	10057	Ash-Elec5,Ash-SSElec5
10059		Install new siren	2 hrs	Fri 05/05/23 15:30	Fri 05/05/23 17:30	10058	Ash-Elec5,Ash-SSElec5
10060		Confirm correct protection settings	0.25 hrs	Fri 05/05/23 17:30	Fri 05/05/23 17:45	10059	Ash-Elec5,Ash-SSElec5
10061		Clear permit	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	10060	Ash-Elec5,Ash-SSElec5
10062	**29C2RF15**	**B7 CHAIN CONVEYOR - Carry out maintenance on Ash Electrical components**	**3 hrs**	**Fri 05/05/23 18:00**	**Sat 06/05/23 10:00**	**10044**	
10063		Make out permit	0.25 hrs	Fri 05/05/23 18:00	Fri 05/05/23 18:15		Operations
10064		Accept permit	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	10063	Ash-Elec5,Ash-SSElec5
10065		Carry out Ash Electrical isolation	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	10064	Ash-Elec5,Ash-SSElec5
10066		Check loose connections in the panel	0.25 hrs	Sat 06/05/23 07:30	Sat 06/05/23 07:45	10065	Ash-Elec5,Ash-SSElec5
10067		Service panel components & Clear dust	0.25 hrs	Sat 06/05/23 07:45	Sat 06/05/23 08:00	10066	Ash-Elec5,Ash-SSElec5
10068		Service Field isolator	0.25 hrs	Sat 06/05/23 08:00	Sat 06/05/23 08:15	10067	Ash-Elec5,Ash-SSElec5
10069		Check underspeed sensor intergrity & circuit operation	0.25 hrs	Sat 06/05/23 08:15	Sat 06/05/23 08:30	10068	Ash-Elec5,Ash-SSElec5
10070		Service safe start circuit	0.25 hrs	Sat 06/05/23 08:30	Sat 06/05/23 08:45	10069	Ash-Elec5,Ash-SSElec5
10071		Inspect for possible Gear Box Seal leak	0.25 hrs	Sat 06/05/23 08:45	Sat 06/05/23 09:00	10070	Ash-Elec5,Ash-SSElec5
10072		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 09:00	Sat 06/05/23 09:15	10071	Ash-Elec5,Ash-SSElec5
10073		Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:30	10072	Ash-Elec5,Ash-SSElec5
10074		Confirm correct protection settings	0.25 hrs	Sat 06/05/23 09:30	Sat 06/05/23 09:45	10073	Ash-Elec5,Ash-SSElec5
10075		Clear permit	0.25 hrs	Sat 06/05/23 09:45	Sat 06/05/23 10:00	10074	Ash-Elec5,Ash-SSElec5
10076	**29C2ST01**	**CHAIN& BELT CONVEYOR - Remove 'A' Compaction underspeed Sensors**	**9.5 hrs**	**Sat 06/05/23 10:00**	**Sun 07/05/23 09:00**	**10062**	

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10077			Make out permit	0.25 hrs	Sat 06/05/23 10:00	Sat 06/05/23 10:15		Operations
10078			Accept permit	0.25 hrs	Sat 06/05/23 10:15	Sat 06/05/23 10:30	10077	Ash-Elec5,Ash-SSElec5
10079			Carry out Ash Electrical isolation	0.5 hrs	Sat 06/05/23 10:30	Sat 06/05/23 11:00	10078	Ash-Elec5,Ash-SSElec5
10080			Disconnect & remove all underspeed sensors	3 hrs	Sat 06/05/23 11:00	Sat 06/05/23 14:30	10079	Ash-Elec5,Ash-SSElec5
10081			Frick all u/s circuit to allow proper cleaning	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	10080	Ash-Elec5,Ash-SSElec5
10082			Remove fricks & Connect underspeed sensors, set gap	4 hrs	Sat 06/05/23 14:45	Sun 07/05/23 07:45	10081	Ash-Elec5,Ash-SSElec5
10083			Seal junction box	1 hr	Sun 07/05/23 07:45	Sun 07/05/23 08:45	10082	Ash-Elec5,Ash-SSElec5
10084			Test run all conveyors out of interlock	0.25 hrs	Sun 07/05/23 08:45	Sun 07/05/23 09:00	10083	Ash-Elec5,Ash-SSElec5
10085		**29C2GP02**	**Compactor B Transfer Screw - Carry out maintenance on electrical components**	**3.5 hrs**	**Sun 07/05/23 09:00**	**Sun 07/05/23 13:00**	**10076**	
10086			Make out permit	0.25 hrs	Sun 07/05/23 09:00	Sun 07/05/23 09:15		Elec
10087			Accept permit	0.25 hrs	Sun 07/05/23 09:15	Sun 07/05/23 09:30	10086	Elec
10088			Carry out electrical isolation	0.25 hrs	Sun 07/05/23 09:30	Sun 07/05/23 09:45	10087	Elec
10089			Check loose connections in the panel	0.25 hrs	Sun 07/05/23 09:45	Sun 07/05/23 10:00	10088	Elec
10090			Check Contactor contacts/soft starter connetions	0.25 hrs	Sun 07/05/23 10:00	Sun 07/05/23 10:15	10089	Elec
10091			Confirm correct setting of protections	0.25 hrs	Sun 07/05/23 10:15	Sun 07/05/23 10:30	10090	Elec
10092			Service Stop/start	0.5 hrs	Sun 07/05/23 10:30	Sun 07/05/23 11:00	10091	Elec
10093			Check motor fan condition	0.5 hrs	Sun 07/05/23 11:00	Sun 07/05/23 11:30	10092	Elec
10094			Check cable terminal leads for over heating	0.25 hrs	Sun 07/05/23 11:30	Sun 07/05/23 11:45	10093	Elec
10095			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 11:45	Sun 07/05/23 12:00	10094	Elec
10096			Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 12:30	Sun 07/05/23 12:45	10095	Elec
10097			Clear permit	0.25 hrs	Sun 07/05/23 12:45	Sun 07/05/23 13:00	10096	Elec
10098			**INSTRUMENTATION**	**36.5 hrs**	**Wed 19/04/23 20:00**	**Sun 23/04/23 12:15**	**8548**	
10099		**29C6F231**	**# B COMPACTOR LUBE OIL SYSTEM - Inspect the system**	**17.5 hrs**	**Wed 19/04/23 20:00**	**Fri 21/04/23 14:30**		
10100			Make out permit	0.25 hrs	Wed 19/04/23 20:00	Wed 19/04/23 20:15		Operations
10101			Accept permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15	10100	Ash-Inst4,SS-Ash-Ins4
10102			Disconnect Inst (Comp)ruments	1 hr	Thu 20/04/23 07:15	Thu 20/04/23 08:15	10101	Ash-Inst4,SS-Ash-Ins4
10103			Clean flow sensors	2 hrs	Thu 20/04/23 08:15	Thu 20/04/23 10:15	10102	Ash-Inst4,SS-Ash-Ins4
10104			Inspect level switch	2 hrs	Thu 20/04/23 10:15	Thu 20/04/23 12:45	10103	Ash-Inst4,SS-Ash-Ins4
10105			Inspect temperature probe	12 hrs	Thu 20/04/23 12:45	Fri 21/04/23 14:15	10104	Ash-Inst4,SS-Ash-Ins4
10106			Clear permit	0.25 hrs	Fri 21/04/23 14:15	Fri 21/04/23 14:30	10105	Ash-Inst4,SS-Ash-Ins4
10107		**29C2PF02**	**# B HYDRAULIC SYSTEM - inspect charging and dumping system**	**3 hrs**	**Fri 21/04/23 14:30**	**Fri 21/04/23 17:30**	**10099**	
10108			Make out permit	0.25 hrs	Fri 21/04/23 14:30	Fri 21/04/23 14:45		Operations
10109			Accept permit	0.25 hrs	Fri 21/04/23 14:45	Fri 21/04/23 15:00	10108	Ash-Inst4,SS-Ash-Ins4
10110			Inspect Charging system	1 hr	Fri 21/04/23 15:00	Fri 21/04/23 16:00	10109	Ash-Inst4,SS-Ash-Ins4
10111			Inspect dumping system	1 hr	Fri 21/04/23 16:00	Fri 21/04/23 17:00	10110	Ash-Inst4,SS-Ash-Ins4
10112			Clear permit	0.5 hrs	Fri 21/04/23 17:00	Fri 21/04/23 17:30	10111	Ash-Inst4,SS-Ash-Ins4
10113		**29C2PF02**	**# B HYDRAULIC SYSTEM - inspect charging and dumping system**	**16 hrs**	**Fri 21/04/23 17:30**	**Sun 23/04/23 12:15**	**10107**	
10114			Make out permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45		Operations
10115			Accept permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45		Ash-Inst4,SS-Ash-Ins4
10116			Inspect Charging system	1 hr	Fri 21/04/23 17:30	Sat 22/04/23 07:30		Ash-Inst4,SS-Ash-Ins4
10117			Make Out Permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45		Operations
10118			Accept Permit	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	10117	Comp-FT6
10119			Carry Out Risk Assesment	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	10118	Comp-FT6
10120			Remove The Guards	0.5 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:45	10119	Comp-FT6

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10121		Slack The Conveyor Until The Slack Is Complete	0.5 hrs	Sat 22/04/23 07:45	Sat 22/04/23 08:15	10120	Comp-FT6
10122		Cut The Old Conveyor And Join One End To The New Conveyor(Ensure The Position Of The Conveyor Is Correct)	0.5 hrs	Sat 22/04/23 08:15	Sat 22/04/23 08:45	10121	Comp-FT6
10123		Pull Out The Old Conveyor To Install The New Conveyor During The Process Until The Correct Length Has Been Installed	1 hr	Sat 22/04/23 08:45	Sat 22/04/23 09:45	10122	Comp-FT6,G Moeseraela,T Moloi,K Gabantogele
10124		Remove The Fasteners And Roll The Old Conveyor Nicely.	0.5 hrs	Sat 22/04/23 09:45	Sat 22/04/23 10:15	10123	Comp-FT6
10125		Remove Idler Frames To Position The Splicing Machine	0.5 hrs	Sat 22/04/23 10:15	Sat 22/04/23 10:45	10124	Comp-FT6
10126		Replace All Defective Idlers	1 hr	Sat 22/04/23 10:45	Sat 22/04/23 11:45	10125	Comp-FT6
10127		Perform Hot Splicing	3 hrs	Sat 22/04/23 11:45	Sat 22/04/23 15:15	10126	GoodYear
10128		Open Plummer Blocks,Clean Old Grease,Inspect Bearings And Repack With New Grease Or Replace If Necessary	2 hrs	Sat 22/04/23 15:15	Sat 22/04/23 17:15	10127	Comp-FT6
10129		Inspect Lagging On The Pulleys And Replace If Necessary	0.5 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:45	10128	Comp-FT6
10130		Replace Idler Frames After Splicing Is Done	0.5 hrs	Sat 22/04/23 17:45	Sun 23/04/23 07:15	10129	Comp-FT6
10131		Tension The Conveyor	0.5 hrs	Sun 23/04/23 07:15	Sun 23/04/23 07:45	10130	Comp-FT6
10132		Check The Condition Of The Scraper And Adjust Or Replace If Necessary	0.5 hrs	Sun 23/04/23 07:45	Sun 23/04/23 08:15	10131	Comp-FT6
10133		Check The Condition Of The Skirting And Adjust Accordingly	0.5 hrs	Sun 23/04/23 08:15	Sun 23/04/23 08:45	10132	Comp-FT6
10134		Clear The Permit And Obtain Test Run Permit	1 hr	Sun 23/04/23 08:45	Sun 23/04/23 09:45	10133	Comp-FT6,Operations
10135		Run The Conveyor And Track It	1 hr	Sun 23/04/23 09:45	Sun 23/04/23 10:45	10134	Comp-FT6,Operations
10136		Sign Off The Test Run Permit And Isolate The Conveyor	0.25 hrs	Sun 23/04/23 10:45	Sun 23/04/23 11:00	10135	Comp-FT6
10137		Obtain A Permit To Work And Replace Guards	0.5 hrs	Sun 23/04/23 11:00	Sun 23/04/23 11:30	10136	Comp-FT6,Operations
10138		Carry Out Housekeeping	0.25 hrs	Sun 23/04/23 11:30	Sun 23/04/23 11:45	10137	Comp-FT6
10139		Sign Off The Permit	0.25 hrs	Sun 23/04/23 11:45	Sun 23/04/23 12:00	10138	Comp-FT6
10140		Clear Permit	0.25 hrs	Sun 23/04/23 12:00	Sun 23/04/23 12:15	10139	Operations
10141	**29C2GF15**	**# B1 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Thu 20/04/23 07:00**	**Thu 20/04/23 12:45**		
10142		Make out permit	0.25 hrs	Thu 20/04/23 07:00	Thu 20/04/23 07:15		Ash-Inst4,SS-Ash-Ins4
10143		Accept permit	0.25 hrs	Thu 20/04/23 07:15	Thu 20/04/23 07:30	10142	Ash-Inst4,SS-Ash-Ins4
10144		Inspect cylinder	1 hr	Thu 20/04/23 07:30	Thu 20/04/23 08:30	10143	Ash-Inst4,SS-Ash-Ins4
10145		Inspect solenoid valve	1 hr	Thu 20/04/23 08:30	Thu 20/04/23 09:30	10144	Ash-Inst4,SS-Ash-Ins4
10146		Possible repairs	2 hrs	Thu 20/04/23 09:30	Thu 20/04/23 11:30	10145	Ash-Inst4,SS-Ash-Ins4
10147		Test and commission	0.5 hrs	Thu 20/04/23 11:30	Thu 20/04/23 12:00	10146	Ash-Inst4,SS-Ash-Ins4
10148		Clear permit	0.25 hrs	Thu 20/04/23 12:30	Thu 20/04/23 12:45	10147	Ash-Inst4,SS-Ash-Ins4
10149	**29C2GF16**	**# B2 FINE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Thu 20/04/23 12:45**	**Thu 20/04/23 18:00**	**10141**	
10150		Make out permit	0.25 hrs	Thu 20/04/23 12:45	Thu 20/04/23 13:00		Ash-Inst4,SS-Ash-Ins4
10151		Accept permit	0.25 hrs	Thu 20/04/23 13:00	Thu 20/04/23 13:15	10150	Ash-Inst4,SS-Ash-Ins4
10152		Inspect cylinder	1 hr	Thu 20/04/23 13:15	Thu 20/04/23 14:15	10151	Ash-Inst4,SS-Ash-Ins4
10153		Inspect solenoid valve	1 hr	Thu 20/04/23 14:15	Thu 20/04/23 15:15	10152	Ash-Inst4,SS-Ash-Ins4
10154		Possible repairs	2 hrs	Thu 20/04/23 15:15	Thu 20/04/23 17:15	10153	Ash-Inst4,SS-Ash-Ins4
10155		Test and commission	0.5 hrs	Thu 20/04/23 17:15	Thu 20/04/23 17:45	10154	Ash-Inst4,SS-Ash-Ins4
10156		Clear permit	0.25 hrs	Thu 20/04/23 17:45	Thu 20/04/23 18:00	10155	Ash-Inst4,SS-Ash-Ins4
10157	**29C2GF11**	**# B1 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Fri 21/04/23 07:00**	**Fri 21/04/23 12:45**	**10149**	
10158		Make out permit	0.25 hrs	Fri 21/04/23 07:00	Fri 21/04/23 07:15		Ash-Inst4,SS-Ash-Ins4
10159		Accept permit	0.25 hrs	Fri 21/04/23 07:15	Fri 21/04/23 07:30	10158	Ash-Inst4,SS-Ash-Ins4
10160		Inspect cylinder	1 hr	Fri 21/04/23 07:30	Fri 21/04/23 08:30	10159	Ash-Inst4,SS-Ash-Ins4
10161		Inspect solenoid valve	1 hr	Fri 21/04/23 08:30	Fri 21/04/23 09:30	10160	Ash-Inst4,SS-Ash-Ins4
10162		Possible repairs	2 hrs	Fri 21/04/23 09:30	Fri 21/04/23 11:30	10161	Ash-Inst4,SS-Ash-Ins4

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10163			Test and commission	0.5 hrs	Fri 21/04/23 11:30	Fri 21/04/23 12:00	10162	Ash-Inst4,SS-Ash-Ins4
10164			Clear permit	0.25 hrs	Fri 21/04/23 12:30	Fri 21/04/23 12:45	10163	Ash-Inst4,SS-Ash-Ins4
10165		**29C2GF12**	**# B2 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Fri 21/04/23 12:45**	**Fri 21/04/23 18:00**	**10157**	
10166			Make out permit	0.25 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:00		Ash-Inst4,SS-Ash-Ins4
10167			Accept permit	0.25 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:15	10166	Ash-Inst4,SS-Ash-Ins4
10168			Inspect cylinder	1 hr	Fri 21/04/23 13:15	Fri 21/04/23 14:15	10167	Ash-Inst4,SS-Ash-Ins4
10169			Inspect solenoid valve	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	10168	Ash-Inst4,SS-Ash-Ins4
10170			Possible repairs	2 hrs	Fri 21/04/23 15:15	Fri 21/04/23 17:15	10169	Ash-Inst4,SS-Ash-Ins4
10171			Test and commission	0.5 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:45	10170	Ash-Inst4,SS-Ash-Ins4
10172			Clear permit	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00	10171	Ash-Inst4,SS-Ash-Ins4
10173		**29C2GF13**	**# B3 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sat 22/04/23 07:00**	**Sat 22/04/23 12:45**	**10165**	
10174			Make out permit	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15		Ash-Inst4,SS-Ash-Ins4
10175			Accept permit	0.25 hrs	Sat 22/04/23 07:15	Sat 22/04/23 07:30	10174	Ash-Inst4,SS-Ash-Ins4
10176			Inspect cylinder	1 hr	Sat 22/04/23 07:30	Sat 22/04/23 08:30	10175	Ash-Inst4,SS-Ash-Ins4
10177			Inspect solenoid valve	1 hr	Sat 22/04/23 08:30	Sat 22/04/23 09:30	10176	Ash-Inst4,SS-Ash-Ins4
10178			Possible repairs	2 hrs	Sat 22/04/23 09:30	Sat 22/04/23 11:30	10177	Ash-Inst4,SS-Ash-Ins4
10179			Test and commission	0.5 hrs	Sat 22/04/23 11:30	Sat 22/04/23 12:00	10178	Ash-Inst4,SS-Ash-Ins4
10180			Clear permit	0.25 hrs	Sat 22/04/23 12:30	Sat 22/04/23 12:45	10179	Ash-Inst4,SS-Ash-Ins4
10181		**29C2GF14**	**# B4 COARSE ROLLER CRUSHER - Carry out instruments inspections**	**5.25 hrs**	**Sat 22/04/23 12:45**	**Sat 22/04/23 18:00**	**10173**	
10182			Make out permit	0.25 hrs	Sat 22/04/23 12:45	Sat 22/04/23 13:00		Ash-Inst4,SS-Ash-Ins4
10183			Accept permit	0.25 hrs	Sat 22/04/23 13:00	Sat 22/04/23 13:15	10182	Ash-Inst4,SS-Ash-Ins4
10184			Inspect cylinder	1 hr	Sat 22/04/23 13:15	Sat 22/04/23 14:15	10183	Ash-Inst4,SS-Ash-Ins4
10185			Inspect solenoid valve	1 hr	Sat 22/04/23 14:15	Sat 22/04/23 15:15	10184	Ash-Inst4,SS-Ash-Ins4
10186			Possible repairs	2 hrs	Sat 22/04/23 15:15	Sat 22/04/23 17:15	10185	Ash-Inst4,SS-Ash-Ins4
10187			Test and commission	0.5 hrs	Sat 22/04/23 17:15	Sat 22/04/23 17:45	10186	Ash-Inst4,SS-Ash-Ins4
10188			Clear permit	0.25 hrs	Sat 22/04/23 17:45	Sat 22/04/23 18:00	10187	Ash-Inst4,SS-Ash-Ins4
10189			Compaction Maintenance Complete	0 hrs	Sun 14/05/23 09:00	Sun 14/05/23 09:00	6658,8503	
10190		**Area 42A**	**DENSE SODA ASH STORAGE**	**215.21 hrs**	**Mon 17/04/23 06:30**	**Sun 07/05/23 12:43**		
10191			**OPERATIONS**	**42 hrs**	**Mon 17/04/23 06:30**	**Thu 20/04/23 20:00**		
10192			**PLANT STOPPAGE**	**1.5 hrs**	**Mon 17/04/23 06:30**	**Mon 17/04/23 08:30**	**2**	
10193			Stop plant and flush circuit	2 hrs	Mon 17/04/23 06:30	Mon 17/04/23 08:30		Operations
10194		**42A2RX01**	**#2 SODA ASH BOOM STACKER& TRIPPER CAR - Cleaning**	**9 hrs**	**Mon 17/04/23 08:30**	**Mon 17/04/23 20:00**	**10192**	
10195			Make Out Permit	0.25 hrs	Mon 17/04/23 08:30	Mon 17/04/23 08:45		Operations
10196			Accept Permit	0.25 hrs	Mon 17/04/23 08:45	Mon 17/04/23 09:00	10195	Operations
10197			Clean Stacker	11 hrs	Mon 17/04/23 09:00	Mon 17/04/23 20:00	10196	Operations
10198			Clear Permit	0 hrs	Mon 17/04/23 20:00	Mon 17/04/23 20:00	10197	Operations
10199			**SODA ASH WAREHOUSE - Cleaning**	**31.5 hrs**	**Mon 17/04/23 20:00**	**Thu 20/04/23 20:00**	**10194**	
10200			Cleaning	12 hrs	Mon 17/04/23 20:00	Tue 18/04/23 08:00		Operations
10201			Cleaning	12 hrs	Tue 18/04/23 08:00	Tue 18/04/23 20:00	10200	Operations
10202			Cleaning	12 hrs	Tue 18/04/23 20:00	Wed 19/04/23 08:00	10201	Operations
10203			Cleaning	12 hrs	Wed 19/04/23 08:00	Wed 19/04/23 20:00	10202	Operations
10204			Cleaning	12 hrs	Wed 19/04/23 20:00	Thu 20/04/23 08:00	10203	Operations
10205			Cleaning	12 hrs	Thu 20/04/23 08:00	Thu 20/04/23 20:00	10204	Operations
10206			**MAINTENANCE STARTS**	**0 hrs**	**Tue 18/04/23 08:30**	**Tue 18/04/23 08:30**	**10192SS+1**	
10207			Maintenance jobs commence	0 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:30		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10208		**Area 42A**	**MECHANICAL**	**130.75 hrs**	**Tue 18/04/23 08:30**	**Sun 30/04/23 13:45**	**10206**	
10209		**42A2RE01**	**# 1 SODA ASH FEED BELT CONVEYOR - Carry out Inspection & Maintenan**	**40.25 hrs**	**Tue 18/04/23 08:30**	**Fri 21/04/23 17:45**		
10210			Make out permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45		Operations
10211			Accept permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10210	Bagg-FT10,Bagg-SSFT10
10212			Carry out risk assesment	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	10211	Bagg-FT10,Bagg-SSFT10
10213			Run the conveyor and mark all the defective rollers	1 hr	Tue 18/04/23 09:15	Tue 18/04/23 10:15	10212	Bagg-FT10,Bagg-SSFT10
10214			Stop and isolate the machine	0.5 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:45	10213	Bagg-FT10,Bagg-SSFT10
10215			Lift the counterweight to slack the belt and support it	1 hr	Tue 18/04/23 10:45	Tue 18/04/23 11:45	10214	Bagg-FT10,Bagg-SSFT10
10216			Replace all the defective rollers with new ones	3 hrs	Tue 18/04/23 11:45	Tue 18/04/23 15:15	10215	Bagg-FT10,Bagg-SSFT10
10217			Replace the impact bed with a new one	3 hrs	Tue 18/04/23 15:15	Wed 19/04/23 07:15	10216	Bagg-FT10,Bagg-SSFT10
10218			Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:45	10217	Bagg-FT10,Bagg-SSFT10
10219			Check the self tracking rollers for seizure,exercise or replace	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	10218	Bagg-FT10,Bagg-SSFT10
10220			Remove the guards on the drive side	0.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:15	10219	Bagg-FT10,Bagg-SSFT10
10221			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Wed 19/04/23 09:15	Wed 19/04/23 10:15	10220	Bagg-FT10,Bagg-SSFT10
10222			Remove the v belts guard and replace v belts with new belts	0.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:45	10221	Bagg-FT10,Bagg-SSFT10
10223			Replace all guards	1 hr	Wed 19/04/23 10:45	Wed 19/04/23 11:45	10222	Bagg-FT10,Bagg-SSFT10
10224			Remove the guards on tail end	1 hr	Wed 19/04/23 11:45	Wed 19/04/23 13:15	10223	Bagg-FT10,Bagg-SSFT10
10225			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	20 hrs	Wed 19/04/23 13:15	Fri 21/04/23 11:45	10224	Bagg-FT10,Bagg-SSFT10
10226			Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Fri 21/04/23 11:45	Fri 21/04/23 14:15	10225	Bagg-FT10,Bagg-SSFT10
10227			Replace the tail end guards	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	10226	Bagg-FT10,Bagg-SSFT10
10228			Drop the counterweight	1 hr	Fri 21/04/23 15:15	Fri 21/04/23 16:15	10227	Bagg-FT10,Bagg-SSFT10
10229			Check and adjust or replace skirtings	1 hr	Fri 21/04/23 16:15	Fri 21/04/23 17:15	10228	Bagg-FT10,Bagg-SSFT10
10230			Carry out housekeeping	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	10229	Bagg-FT10,Bagg-SSFT10
10231			Clear permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45	10230	Bagg-FT10,Bagg-SSFT10
10232		**42A2RE01**	**# 1 SODA STORAGE FEED BELT CONVEYOR - Lag All Worn out Pulleys**	**28 hrs**	**Fri 21/04/23 17:45**	**Mon 24/04/23 14:15**	**10209**	
10233			Make out permit	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00		Operations
10234			Accept permit	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	10233	Bagg-FT10,Bagg-SSFT10
10235			Lift counter weigh	1 hr	Sat 22/04/23 07:15	Sat 22/04/23 08:15	10234	Bagg-FT10,Bagg-SSFT10
10236			Loosen all bolts	8 hrs	Sat 22/04/23 08:15	Sat 22/04/23 16:45	10235	Bagg-FT10,Bagg-SSFT10
10237			Rig out worn out pulley	4 hrs	Sat 22/04/23 16:45	Sun 23/04/23 09:45	10236	Bagg-FT10,Bagg-SSFT10
10238			Re lagg the pulleys and allow to cure	8 hrs	Sun 23/04/23 09:45	Mon 24/04/23 07:15	10237	Bagg-FT10,Bagg-SSFT10
10239			Reinstall pulley	5 hrs	Mon 24/04/23 07:15	Mon 24/04/23 12:45	10238	Bagg-FT10,Bagg-SSFT10
10240			Drop counter weight	1 hr	Mon 24/04/23 12:45	Mon 24/04/23 13:45	10239	Bagg-FT10,Bagg-SSFT10
10241			House keeping	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	10240	Bagg-FT10,Bagg-SSFT10
10242			Clear permit	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15	10241	Bagg-FT10,Bagg-SSFT10
10243		**42A2RX01**	**# 1 SODA ASH BOOM CONVEYOR - Replace Conveyor& Lag all Worn out Pulleys**	**57.25 hrs**	**Mon 24/04/23 14:15**	**Sun 30/04/23 08:00**	**10232**	
10244			Make out permit	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30		Operations
10245			Accept permit	0.25 hrs	Mon 24/04/23 14:30	Mon 24/04/23 14:45	10244	Bagg-FT10,Bagg-SSFT10
10246			Carry out risk assement	0.25 hrs	Mon 24/04/23 14:45	Mon 24/04/23 15:00	10245	Bagg-FT10,Bagg-SSFT10
10247			Lift counter weight to slack conveyor and support it	0.5 hrs	Mon 24/04/23 15:00	Mon 24/04/23 15:30	10246	Bagg-FT10,Bagg-SSFT10
10248			Cut old conveyor and join one end to new conveyor using fasteners	0.5 hrs	Mon 24/04/23 15:30	Mon 24/04/23 16:00	10247	Bagg-FT10,Bagg-SSFT10
10249			Lower all scrappers	0.5 hrs	Mon 24/04/23 16:00	Mon 24/04/23 16:30	10248	Bagg-FT10,Bagg-SSFT10

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10250			Pull out old conveyor to install new one during process	2 hrs	Mon 24/04/23 16:30	Tue 25/04/23 07:30	10249	Bagg-FT10,Bagg-SSFT10
10251			Separate conveyor after correct length has been pulled in	0.25 hrs	Tue 25/04/23 07:30	Tue 25/04/23 07:45	10250	Bagg-FT10,Bagg-SSFT10
10252			Remove idler frame to accommodate splicing machine	0.5 hrs	Tue 25/04/23 07:45	Tue 25/04/23 08:15	10251	Bagg-FT10,Bagg-SSFT10
10253			Replace all defecting idlers	1.5 hrs	Tue 25/04/23 08:15	Tue 25/04/23 09:45	10252	Bagg-FT10,Bagg-SSFT10
10254			Perform hot splicing	10 hrs	Tue 25/04/23 09:45	Wed 26/04/23 09:15	10253	Bagg-FT10,Bagg-SSFT10
10255			Open all plummer blocks	0.5 hrs	Wed 26/04/23 09:15	Wed 26/04/23 09:45	10254	Bagg-FT10,Bagg-SSFT10
10256			Clean all grease	18 hrs	Wed 26/04/23 09:45	Thu 27/04/23 17:45	10255	Bagg-FT10,Bagg-SSFT10
10257			Drain and flush geared unit oil	3 hrs	Thu 27/04/23 17:45	Fri 28/04/23 09:45	10256	Bagg-FT10,Bagg-SSFT10
10258			Inspect bearing and repack with new grease or replace if necessary	1 hr	Fri 28/04/23 09:45	Fri 28/04/23 10:45	10257	Bagg-FT10,Bagg-SSFT10
10259			Check all self aligning rollers and exercise or replace if necessary	1 hr	Fri 28/04/23 10:45	Fri 28/04/23 11:45	10258	Bagg-FT10,Bagg-SSFT10
10260			Check all pulley laggings and replace if necessary	14 hrs	Fri 28/04/23 11:45	Sat 29/04/23 15:45	10259	Bagg-FT10,Bagg-SSFT10
10261			Remove splicing kit when done	0.5 hrs	Sat 29/04/23 15:45	Sat 29/04/23 16:15	10260	Bagg-FT10,Bagg-SSFT10
10262			replace troughing idler frames secure	0.5 hrs	Sat 29/04/23 16:15	Sat 29/04/23 16:45	10261	Bagg-FT10,Bagg-SSFT10
10263			Lower counter weight to tension belt	0.5 hrs	Sat 29/04/23 16:45	Sat 29/04/23 17:15	10262	Bagg-FT10,Bagg-SSFT10
10264			Adjust all scrapper	1 hr	Sat 29/04/23 17:15	Sun 30/04/23 07:15	10263	Bagg-FT10,Bagg-SSFT10
10265			Check condition of skirting and replace if necessary	0.5 hrs	Sun 30/04/23 07:15	Sun 30/04/23 07:45	10264	Bagg-FT10,Bagg-SSFT10
10266			Clear permit	0.25 hrs	Sun 30/04/23 07:45	Sun 30/04/23 08:00	10265	Bagg-FT10,Bagg-SSFT10
10267		**42A2RX01**	**# 1 SODA ASH BOOM STACKER WITH TRIPPER CAR - Service Stacker winch**	**14.25 hrs**	**Tue 18/04/23 08:30**	**Wed 19/04/23 12:45**		
10268			Make Out Permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45		Operations
10269			Accept Permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10268	Elec (Ash)2
10270			Service & Install Go Switches	5 hrs	Tue 18/04/23 09:00	Tue 18/04/23 14:30	10269	Elec (Ash)3,M Ramatlhakeng,S Monna
10271			Inspect Rope & Sheaves	2 hrs	Tue 18/04/23 14:30	Tue 18/04/23 16:30	10270	G Moeseraela,T Moloi,K Gabantogele
10272			Open,Inspect And Service Winch	2 hrs	Tue 18/04/23 16:30	Wed 19/04/23 07:30	10271	G Moeseraela,T Moloi,K Gabantogele
10273			Close Winch	4 hrs	Wed 19/04/23 07:30	Wed 19/04/23 11:30	10272	G Moeseraela,T Moloi,K Gabantogele
10274			Commission	0.5 hrs	Wed 19/04/23 11:30	Wed 19/04/23 12:00	10273	Elec (Ash)2
10275			Clear Permit	0.25 hrs	Wed 19/04/23 12:30	Wed 19/04/23 12:45	10274	Elec (Ash)2
10276		**42A2RX01**	**# 1 SODA ASH BOOM STACKER& TRIPPER CAR - Service Hydraulic Power Packs & Test If Required**	**14 hrs**	**Tue 18/04/23 08:30**	**Wed 19/04/23 12:00**		
10277			Support Boom prior	0 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:30		G Moeseraela,T Moloi,K Gabantogele
10278			Make out permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45	10277	Operations
10279			Accept permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10278	Comp-FT6
10280			Carry out risk assement	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	10279	Comp-FT6
10281			Disconnect motors	1 hr	Tue 18/04/23 09:15	Tue 18/04/23 10:15	10280	Comp-FT6
10282			Rig out motors	0.5 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:45	10281	Comp-FT6,G Moeseraela,T Moloi,K Gabantogele
10283			Drain oil	1.5 hrs	Tue 18/04/23 10:45	Tue 18/04/23 12:45	10282	Comp-FT6
10284			Disconnect discharge pipe	1 hr	Tue 18/04/23 12:45	Tue 18/04/23 13:45	10283	Comp-FT6
10285			Open top cover	0.5 hrs	Tue 18/04/23 13:45	Tue 18/04/23 14:15	10284	Comp-FT6
10286			Clean tank	2 hrs	Tue 18/04/23 14:15	Tue 18/04/23 16:15	10285	Comp-FT6
10287			Change hydraulic pumps	1.5 hrs	Tue 18/04/23 16:15	Tue 18/04/23 17:45	10286	Comp-FT6
10288			Box up	1 hr	Tue 18/04/23 17:45	Wed 19/04/23 07:45	10287	Comp-FT6
10289			Mount motors	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	10288	Comp-FT6
10290			Connect motors	1 hr	Wed 19/04/23 08:45	Wed 19/04/23 09:45	10289	Comp-FT6
10291			Fill oil	1.5 hrs	Wed 19/04/23 09:45	Wed 19/04/23 11:15	10290	Comp-FT6
10292			Housekeeping	0.25 hrs	Wed 19/04/23 11:15	Wed 19/04/23 11:30	10291	Comp-FT6

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10293			Check direction	0.25 hrs	Wed 19/04/23 11:30	Wed 19/04/23 11:45	10292	Comp-FT6
10294			Clear permit	0.25 hrs	Wed 19/04/23 11:45	Wed 19/04/23 12:00	10293	Comp-FT6
10295		**42A2RE02**	**# 2 SODA STORAGE FEED BELT CONVEYOR - Carry out Inspection & Maintenance**	**40.25 hrs**	**Tue 18/04/23 08:30**	**Fri 21/04/23 17:45**		
10296			Make out permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45		Operations
10297			Accept permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10296	Bagg-FT9,Bagg-SSFT9
10298			Carry out risk assesment	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	10297	Bagg-FT9,Bagg-SSFT9
10299			Run the conveyor and mark all the defective rollers	1 hr	Tue 18/04/23 09:15	Tue 18/04/23 10:15	10298	Bagg-FT9,Bagg-SSFT9
10300			Stop and isolate the machine	0.5 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:45	10299	Bagg-FT9,Bagg-SSFT9
10301			Lift the counterweight to slack the belt and support it	1 hr	Tue 18/04/23 10:45	Tue 18/04/23 11:45	10300	Bagg-FT9,Bagg-SSFT9
10302			Replace all the defective rollers with new ones	3 hrs	Tue 18/04/23 11:45	Tue 18/04/23 15:15	10301	Bagg-FT9,Bagg-SSFT9
10303			Replace the impact bed with a new one	3 hrs	Tue 18/04/23 15:15	Wed 19/04/23 07:15	10302	Bagg-FT9,Bagg-SSFT9
10304			Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Wed 19/04/23 07:15	Wed 19/04/23 07:45	10303	Bagg-FT9,Bagg-SSFT9
10305			Check the self tracking rollers for seizure,exercise or replace	1 hr	Wed 19/04/23 07:45	Wed 19/04/23 08:45	10304	Bagg-FT9,Bagg-SSFT9
10306			Remove the guards on the drive side	0.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:15	10305	Bagg-FT9,Bagg-SSFT9
10307			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Wed 19/04/23 09:15	Wed 19/04/23 10:15	10306	Bagg-FT9,Bagg-SSFT9
10308			Remove the v belts guard and replace v belts with new belts	0.5 hrs	Wed 19/04/23 10:15	Wed 19/04/23 10:45	10307	Bagg-FT9,Bagg-SSFT9
10309			Replace all guards	1 hr	Wed 19/04/23 10:45	Wed 19/04/23 11:45	10308	Bagg-FT9,Bagg-SSFT9
10310			Remove the guards on tail end	1 hr	Wed 19/04/23 11:45	Wed 19/04/23 13:15	10309	Bagg-FT9,Bagg-SSFT9
10311			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	20 hrs	Wed 19/04/23 13:15	Fri 21/04/23 11:45	10310	Bagg-FT9,Bagg-SSFT9
10312			Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Fri 21/04/23 11:45	Fri 21/04/23 14:15	10311	Bagg-FT9,Bagg-SSFT9
10313			Replace the tail end guards	1 hr	Fri 21/04/23 14:15	Fri 21/04/23 15:15	10312	Bagg-FT9,Bagg-SSFT9
10314			Drop the counterweight	1 hr	Fri 21/04/23 15:15	Fri 21/04/23 16:15	10313	Bagg-FT9,Bagg-SSFT9
10315			Check and adjust or replace skirtings	1 hr	Fri 21/04/23 16:15	Fri 21/04/23 17:15	10314	Bagg-FT9,Bagg-SSFT9
10316			Carry out housekeeping	0.25 hrs	Fri 21/04/23 17:15	Fri 21/04/23 17:30	10315	Bagg-FT9,Bagg-SSFT9
10317			Clear permit	0.25 hrs	Fri 21/04/23 17:30	Fri 21/04/23 17:45	10316	Bagg-FT9,Bagg-SSFT9
10318		**42A2RE02**	**COUNTER WEIGHTS WINCHES - Open,Inspect And Service**	**9.75 hrs**	**Tue 18/04/23 08:30**	**Wed 19/04/23 07:45**		
10319			Make Out Permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45		Operations
10320			Accept Permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10319	G Moeseraela,T Moloi,K Gabantogele
10321			Open The Winch	3 hrs	Tue 18/04/23 09:00	Tue 18/04/23 12:00	10320	G Moeseraela,T Moloi,K Gabantogele
10322			Inspect And Service	2 hrs	Tue 18/04/23 12:30	Tue 18/04/23 14:30	10321	G Moeseraela,T Moloi,K Gabantogele
10323			Lubricate	1 hr	Tue 18/04/23 14:30	Tue 18/04/23 15:30	10322	G Moeseraela,T Moloi,K Gabantogele
10324			Close Up	3 hrs	Tue 18/04/23 15:30	Wed 19/04/23 07:30	10323	G Moeseraela,T Moloi,K Gabantogele
10325			Clear Permit	0.25 hrs	Wed 19/04/23 07:30	Wed 19/04/23 07:45	10324	G Moeseraela,T Moloi,K Gabantogele
10326		**42A2RE02**	**# 2 SODA STORAGE FEED BELT CONVEYOR - Lag All Worn out Pulleys**	**27.75 hrs**	**Fri 21/04/23 17:45**	**Mon 24/04/23 14:00**	**10295**	
10327			Make out permit	0.25 hrs	Fri 21/04/23 17:45	Fri 21/04/23 18:00		Operations
10328			Accept permit	0.25 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:15	10327	Bagg-FT9,Bagg-SSFT9
10329			Lift counter weigh	1 hr	Sat 22/04/23 07:15	Sat 22/04/23 08:15	10328	Bagg-FT9,Bagg-SSFT9
10330			Loosen all bolts	8 hrs	Sat 22/04/23 08:15	Sat 22/04/23 16:45	10329	Bagg-FT9,Bagg-SSFT9
10331			Rig out worn out pulley	4 hrs	Sat 22/04/23 16:45	Sun 23/04/23 09:45	10330	Bagg-FT9,Bagg-SSFT9
10332			Re lagg the pulleys and allow to cure	8 hrs	Sun 23/04/23 09:45	Mon 24/04/23 07:15	10331	Bagg-FT9,Bagg-SSFT9
10333			Reinstall pulley	5 hrs	Mon 24/04/23 07:15	Mon 24/04/23 12:45	10332	Bagg-FT9,Bagg-SSFT9
10334			Drop counter weight	1 hr	Mon 24/04/23 12:45	Mon 24/04/23 13:45	10333	Bagg-FT9,Bagg-SSFT9

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10335			House keeping	0.25 hrs	Mon 24/04/23 13:45	Mon 24/04/23 14:00	10334	Bagg-FT9,Bagg-SSFT9
10336		**42A2RX02**	**# 2 SODA ASH BOOM STACKER& TRIPPER CAR - Service Hydraulic Power Packs & replace hydrualic cylinder**	**17.75 hrs**	**Tue 18/04/23 08:30**	**Wed 19/04/23 16:15**		
10337			Support Boom prior	0 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:30		G Moeseraela,T Moloi,K Gabantogele
10338			Make out permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45	10337	Operations
10339			Accept permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10338	Comp-FT6
10340			Carry out risk assement	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	10339	Comp-FT6
10341			Lower the stacker onto stands	1 hr	Tue 18/04/23 09:15	Tue 18/04/23 10:15	10340	
10342			Disconnect motors	1 hr	Tue 18/04/23 10:15	Tue 18/04/23 11:15	10341	Comp-FT6
10343			Rig out motors	0.5 hrs	Tue 18/04/23 11:15	Tue 18/04/23 11:45	10342	Comp-FT6,G Moeseraela,T Moloi,K Gabantogele
10344			Drain oil	1.5 hrs	Tue 18/04/23 11:45	Tue 18/04/23 13:45	10343	Comp-FT6
10345			Disconnect discharge pipe	1 hr	Tue 18/04/23 13:45	Tue 18/04/23 14:45	10344	Comp-FT6
10346			Open top cover	0.5 hrs	Tue 18/04/23 14:45	Tue 18/04/23 15:15	10345	Comp-FT6
10347			Clean tank	2 hrs	Tue 18/04/23 15:15	Tue 18/04/23 17:15	10346	Comp-FT6
10348			Replace hydraulic cylinder	2.5 hrs	Tue 18/04/23 17:15	Wed 19/04/23 08:45	10347	
10349			Change hydraulic pumps	1.5 hrs	Wed 19/04/23 08:45	Wed 19/04/23 10:15	10348	Comp-FT6
10350			Box up	1 hr	Wed 19/04/23 10:15	Wed 19/04/23 11:15	10349	Comp-FT6
10351			Mount motors	1 hr	Wed 19/04/23 11:15	Wed 19/04/23 12:45	10350	Comp-FT6
10352			Connect motors	1 hr	Wed 19/04/23 12:45	Wed 19/04/23 13:45	10351	Comp-FT6
10353			Fill oil	1.5 hrs	Wed 19/04/23 13:45	Wed 19/04/23 15:15	10352	Comp-FT6
10354			Housekeeping	0.25 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:30	10353	Comp-FT6
10355			Check direction	0.25 hrs	Wed 19/04/23 15:30	Wed 19/04/23 15:45	10354	Comp-FT6
10356			Clear permit	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	10355	Comp-FT6
10357			Clear test run permit	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	10356	Comp-FT6
10358		**42A2RX02**	**# 1 SODA ASH BOOM CONVEYOR - Inspect Conveyor& Lag all Worn out Pulleys**	**22.5 hrs**	**Mon 24/04/23 14:00**	**Wed 26/04/23 15:30**	**10326**	
10359			Make out permit	0.25 hrs	Mon 24/04/23 14:00	Mon 24/04/23 14:15		Operations
10360			Accept permit	0.25 hrs	Mon 24/04/23 14:15	Mon 24/04/23 14:30	10359	Bagg-FT9,Bagg-SSFT9
10361			Carry out risk assesment	0.25 hrs	Mon 24/04/23 14:30	Mon 24/04/23 14:45	10360	Bagg-FT9,Bagg-SSFT9
10362			Run the conveyor and mark all the defective rollers	1 hr	Mon 24/04/23 14:45	Mon 24/04/23 15:45	10361	Bagg-FT9,Bagg-SSFT9
10363			Stop and isolate the machine	0.5 hrs	Mon 24/04/23 15:45	Mon 24/04/23 16:15	10362	Bagg-FT9,Bagg-SSFT9
10364			Lift the counterweight to slack the belt and support it	1 hr	Mon 24/04/23 16:15	Mon 24/04/23 17:15	10363	Bagg-FT9,Bagg-SSFT9
10365			Replace all the defective rollers with new ones	3 hrs	Mon 24/04/23 17:15	Tue 25/04/23 09:15	10364	Bagg-FT9,Bagg-SSFT9
10366			Check lagging on all the pulleys and replace if necessary	1 hr	Tue 25/04/23 09:15	Tue 25/04/23 10:15	10365	Bagg-FT9,Bagg-SSFT9
10367			Replace the impact bed with a new one	3 hrs	Tue 25/04/23 10:15	Tue 25/04/23 13:45	10366	Bagg-FT9,Bagg-SSFT9
10368			Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Tue 25/04/23 13:45	Tue 25/04/23 14:15	10367	Bagg-FT9,Bagg-SSFT9
10369			Check the self tracking rollers for seizure,exercise or replace	1 hr	Tue 25/04/23 14:15	Tue 25/04/23 15:15	10368	Bagg-FT9,Bagg-SSFT9
10370			Remove the guards on the drive side	0.5 hrs	Tue 25/04/23 15:15	Tue 25/04/23 15:45	10369	Bagg-FT9,Bagg-SSFT9
10371			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Tue 25/04/23 15:45	Tue 25/04/23 16:45	10370	Bagg-FT9,Bagg-SSFT9
10372			Remove the v belts guard and replace v belts with new belts	0.5 hrs	Tue 25/04/23 16:45	Tue 25/04/23 17:15	10371	Bagg-FT9,Bagg-SSFT9
10373			Replace all guards	1 hr	Tue 25/04/23 17:15	Wed 26/04/23 07:15	10372	Bagg-FT9,Bagg-SSFT9
10374			Remove the guards on tail end	1 hr	Wed 26/04/23 07:15	Wed 26/04/23 08:15	10373	Bagg-FT9,Bagg-SSFT9
10375			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Wed 26/04/23 08:15	Wed 26/04/23 09:15	10374	Bagg-FT9,Bagg-SSFT9

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10376			Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Wed 26/04/23 09:15	Wed 26/04/23 11:15	10375	Bagg-FT9,Bagg-SSFT9
10377			Replace the tail end guards	1 hr	Wed 26/04/23 11:15	Wed 26/04/23 12:45	10376	Bagg-FT9,Bagg-SSFT9
10378			Drop the counterweight	1 hr	Wed 26/04/23 12:45	Wed 26/04/23 13:45	10377	Bagg-FT9,Bagg-SSFT9
10379			Check and adjust or replace skirtings	1 hr	Wed 26/04/23 13:45	Wed 26/04/23 14:45	10378	Bagg-FT9,Bagg-SSFT9
10380			Carry out housekeeping	0.25 hrs	Wed 26/04/23 14:45	Wed 26/04/23 15:00	10379	Bagg-FT9,Bagg-SSFT9
10381			Sign off permit	0.25 hrs	Wed 26/04/23 15:00	Wed 26/04/23 15:15	10380	Bagg-FT9,Bagg-SSFT9
10382			Clear permit	0.25 hrs	Wed 26/04/23 15:15	Wed 26/04/23 15:30	10381	Bagg-FT9,Bagg-SSFT9
10383		**42A2RM01**	**PORTABLE SCRAPER RECLAIMER - Chain replacement, inspection& maintenance**	**50.75 hrs**	**Tue 18/04/23 08:30**	**Sat 22/04/23 17:45**		
10384			Support reclaimer boom prior	0 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:30		
10385			Make out permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45	10384	Operations
10386			Accept permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10385	Bagg-FT8,Bagg-SSFT8
10387			Remove old chain and scrappers	8 hrs	Tue 18/04/23 09:00	Tue 18/04/23 17:30	10386	Bagg-FT8,Bagg-SSFT8
10388			Replace all chain links and rail	11 hrs	Tue 18/04/23 17:30	Wed 19/04/23 18:00	10387	Bagg-FT8,Bagg-SSFT8
10389			Remove head pulley and replace bearings	11 hrs	Thu 20/04/23 07:00	Fri 21/04/23 07:30	10388	Bagg-FT8,Bagg-SSFT8
10390			Re-install head pulley	3 hrs	Fri 21/04/23 07:30	Fri 21/04/23 10:30	10389	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10391			Drain gearbox oil& refill with new one	1 hr	Fri 21/04/23 10:30	Fri 21/04/23 11:30	10390	Bagg-FT8,Bagg-SSFT8
10392			Remove coupling guard and inspect fluid drive coupling	1 hr	Fri 21/04/23 11:30	Fri 21/04/23 13:00	10391	Bagg-FT8,Bagg-SSFT8
10393			Inspect all drives and sheave wheels	3 hrs	Fri 21/04/23 13:00	Fri 21/04/23 16:00	10392	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10394			Inspect cable drum reeling drive	2 hrs	Fri 21/04/23 16:00	Fri 21/04/23 18:00	10393	Bagg-FT8,Bagg-SSFT8
10395			Inspect drive on the sub boom	1 hr	Sat 22/04/23 07:00	Sat 22/04/23 08:00	10394	Bagg-FT8,Bagg-SSFT8
10396			Inspect scrapers on the sub boom and replace if necessary	5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 13:30	10395	Bagg-FT8,Bagg-SSFT8
10397			Inspect the winch and lubricate	2 hrs	Sat 22/04/23 13:30	Sat 22/04/23 15:30	10396	Bagg-FT8,Bagg-SSFT8
10398			Check all the sub boom drives	2 hrs	Sat 22/04/23 15:30	Sat 22/04/23 17:30	10397	Bagg-FT8,Bagg-SSFT8
10399			Clear permit	0.25 hrs	Sat 22/04/23 17:30	Sat 22/04/23 17:45	10398	Bagg-FT8,Bagg-SSFT8
10400		**42A2RE03**	**EXPORT CONVEYOR - Carry out Inspection & Maintenance**	**40.25 hrs**	**Wed 26/04/23 15:30**	**Sun 30/04/23 13:45**	**10358**	
10401			Make out permit	0.25 hrs	Wed 26/04/23 15:30	Wed 26/04/23 15:45		Operations
10402			Accept permit	0.25 hrs	Wed 26/04/23 15:45	Wed 26/04/23 16:00	10401	Bagg-FT9,Bagg-SSFT9
10403			Carry out risk assesment	0.25 hrs	Wed 26/04/23 16:00	Wed 26/04/23 16:15	10402	Bagg-FT9,Bagg-SSFT9
10404			Run the conveyor and mark all the defective rollers	1 hr	Wed 26/04/23 16:15	Wed 26/04/23 17:15	10403	Bagg-FT9,Bagg-SSFT9
10405			Stop and isolate the machine	0.5 hrs	Wed 26/04/23 17:15	Wed 26/04/23 17:45	10404	Bagg-FT9,Bagg-SSFT9
10406			Lift the counterweight to slack the belt and support it	1 hr	Wed 26/04/23 17:45	Thu 27/04/23 07:45	10405	Bagg-FT9,Bagg-SSFT9
10407			Replace all the defective rollers with new ones	3 hrs	Thu 27/04/23 07:45	Thu 27/04/23 10:45	10406	Bagg-FT9,Bagg-SSFT9
10408			Replace the impact bed with a new one	3 hrs	Thu 27/04/23 10:45	Thu 27/04/23 14:15	10407	Bagg-FT9,Bagg-SSFT9
10409			Check the ploughs and scrapers,then replace if necessary	0.5 hrs	Thu 27/04/23 14:15	Thu 27/04/23 14:45	10408	Bagg-FT9,Bagg-SSFT9
10410			Check the self tracking rollers for seizure,exercise or replace	1 hr	Thu 27/04/23 14:45	Thu 27/04/23 15:45	10409	Bagg-FT9,Bagg-SSFT9
10411			Remove the guards on the drive side	0.5 hrs	Thu 27/04/23 15:45	Thu 27/04/23 16:15	10410	Bagg-FT9,Bagg-SSFT9
10412			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	1 hr	Thu 27/04/23 16:15	Thu 27/04/23 17:15	10411	Bagg-FT9,Bagg-SSFT9
10413			Remove the v belts guard and replace v belts with new belts	0.5 hrs	Thu 27/04/23 17:15	Thu 27/04/23 17:45	10412	Bagg-FT9,Bagg-SSFT9
10414			Replace all guards	1 hr	Thu 27/04/23 17:45	Fri 28/04/23 07:45	10413	Bagg-FT9,Bagg-SSFT9
10415			Remove the guards on tail end	1 hr	Fri 28/04/23 07:45	Fri 28/04/23 08:45	10414	Bagg-FT9,Bagg-SSFT9
10416			Open plummer blocks,clean old grease and inspect bearings,then repack with new grease or replace if necessary	20 hrs	Fri 28/04/23 08:45	Sun 30/04/23 07:45	10415	Bagg-FT9,Bagg-SSFT9
10417			Inspect sheave wheels,lubricate and free the stuck ones	2 hrs	Sun 30/04/23 07:45	Sun 30/04/23 09:45	10416	Bagg-FT9,Bagg-SSFT9

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10418			Replace the tail end guards	1 hr	Sun 30/04/23 09:45	Sun 30/04/23 10:45	10417	Bagg-FT9,Bagg-SSFT9
10419			Drop the counterweight	1 hr	Sun 30/04/23 10:45	Sun 30/04/23 11:45	10418	Bagg-FT9,Bagg-SSFT9
10420			Check and adjust or replace skirtings	1 hr	Sun 30/04/23 11:45	Sun 30/04/23 13:15	10419	Bagg-FT9,Bagg-SSFT9
10421			Carry out housekeeping	0.25 hrs	Sun 30/04/23 13:15	Sun 30/04/23 13:30	10420	Bagg-FT9,Bagg-SSFT9
10422			Clear permit	0.25 hrs	Sun 30/04/23 13:30	Sun 30/04/23 13:45	10421	Bagg-FT9,Bagg-SSFT9
10423		**42B2RE01**	**SODA ASH FEED BELT CONVEYOR (Transfer) - Replace Conveyor & Carry out Inspection & Maintenance**	**38.75 hrs**	**Tue 18/04/23 08:30**	**Fri 21/04/23 16:15**		
10424			Make out permit	0.25 hrs	Tue 18/04/23 08:30	Tue 18/04/23 08:45		Operations
10425			Accept permit	0.25 hrs	Tue 18/04/23 08:45	Tue 18/04/23 09:00	10424	SStore Ft1,Store (ft)1
10426			Carry out risk assement	0.25 hrs	Tue 18/04/23 09:00	Tue 18/04/23 09:15	10425	Store (ft)1,SStore Ft1
10427			Lift counter weight to slack conveyor and support it	0.5 hrs	Tue 18/04/23 09:15	Tue 18/04/23 09:45	10426	Store (ft)1,SStore Ft1
10428			Cut old conveyor and join one end to new conveyor using fasteners	0.5 hrs	Tue 18/04/23 09:45	Tue 18/04/23 10:15	10427	Store (ft)1,SStore Ft1
10429			Lower all scrappers	0.5 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:45	10428	Store (ft)1,SStore Ft1
10430			Pull out old conveyor to install new one during process	2 hrs	Tue 18/04/23 10:45	Tue 18/04/23 13:15	10429	Store (ft)1,SStore Ft1
10431			Separate conveyor after correct length has been pulled in	0.25 hrs	Tue 18/04/23 13:15	Tue 18/04/23 13:30	10430	Store (ft)1,SStore Ft1
10432			Remove idler frame to accommodate splicing machine	0.5 hrs	Tue 18/04/23 13:30	Tue 18/04/23 14:00	10431	Store (ft)1,SStore Ft1
10433			Replace all defective idlers	1.5 hrs	Tue 18/04/23 14:00	Tue 18/04/23 15:30	10432	Store (ft)1,SStore Ft1
10434			Perform hot splicing	10 hrs	Tue 18/04/23 15:30	Wed 19/04/23 15:00	10433	Store (ft)1,SStore Ft1
10435			Open all plummer blocks	8 hrs	Tue 18/04/23 15:30	Wed 19/04/23 13:00	10434SS	Store (ft)1,SStore Ft1
10436			Clean all grease	8 hrs	Wed 19/04/23 13:00	Thu 20/04/23 10:00	10435	Store (ft)1,SStore Ft1
10437			Inspect bearing and repack with new grease or replace if necessary	8 hrs	Thu 20/04/23 10:00	Fri 21/04/23 07:30	10436	Store (ft)1,SStore Ft1
10438			Remove guard for V-belts	0.5 hrs	Fri 21/04/23 07:30	Fri 21/04/23 08:00	10437	Store (ft)1,SStore Ft1
10439			Slack V-belts and replace with new ones	1 hr	Fri 21/04/23 08:00	Fri 21/04/23 09:00	10438	Store (ft)1,SStore Ft1
10440			Tension to correct force and deflection	0.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:30	10439	Store (ft)1,SStore Ft1
10441			Install V-belt guard	0.5 hrs	Fri 21/04/23 09:30	Fri 21/04/23 10:00	10440	SStore Ft1,Store (ft)1
10442			Check all self aligning rollers and exercise or replace if necessary	1 hr	Fri 21/04/23 10:00	Fri 21/04/23 11:00	10441	SStore Ft1,Store (ft)1
10443			Check all pulley laggings and relag if necessary	18 hrs	Wed 19/04/23 15:00	Fri 21/04/23 11:30	10434	SStore Ft1,Store (ft)1
10444			Remove splicing kit when done	0.5 hrs	Fri 21/04/23 11:30	Fri 21/04/23 12:00	10443	SStore Ft1,Store (ft)1
10445			Install troughing idler frames secure	0.5 hrs	Fri 21/04/23 12:30	Fri 21/04/23 13:00	10444	SStore Ft1,Store (ft)1
10446			Lower counter weight to tension belt	0.5 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:30	10445	SStore Ft1,Store (ft)1
10447			Adjust all scrapper	1 hr	Fri 21/04/23 13:30	Fri 21/04/23 14:30	10446	SStore Ft1,Store (ft)1
10448			Check condition of skirting and replace if necessary	1 hr	Fri 21/04/23 14:30	Fri 21/04/23 15:30	10447	SStore Ft1,Store (ft)1
10449			House keeping	0.5 hrs	Fri 21/04/23 15:30	Fri 21/04/23 16:00	10448	SStore Ft1,Store (ft)1
10450			Clear permit	0.25 hrs	Fri 21/04/23 16:00	Fri 21/04/23 16:15	10449	SStore Ft1,Store (ft)1
10451			**ELECTRICAL**	**203.21 hrs**	**Tue 18/04/23 08:30**	**Sun 07/05/23 12:43**	**10206**	
10452		**42A2RE01**	**# 1 SODA STORAGE FEED BELT CONVEYOR - Replace Faulty Trip Switches**	**8.25 hrs**	**Thu 04/05/23 10:43**	**Fri 05/05/23 08:28**	**9953**	
10453			Make Out Permit	0.25 hrs	Thu 04/05/23 10:43	Thu 04/05/23 10:58		Operations
10454			Accept Permit	0.25 hrs	Thu 04/05/23 10:58	Thu 04/05/23 11:13	10453	Ash-Elec1,Ash-SSElec1
10455			Carry Out Elctrical Isolation	0.5 hrs	Thu 04/05/23 11:13	Thu 04/05/23 11:43	10454	Ash-Elec1,Ash-SSElec1
10456			Check Loose Connections In The Panel	0.5 hrs	Thu 04/05/23 11:43	Thu 04/05/23 12:43	10455	Ash-Elec1,Ash-SSElec1
10457			Check Contactor Contacts	1 hr	Thu 04/05/23 12:43	Thu 04/05/23 13:43	10456	Ash-Elec1,Ash-SSElec1
10458			Service Field Isolator	1 hr	Thu 04/05/23 13:43	Thu 04/05/23 14:43	10457	Ash-Elec1,Ash-SSElec1
10459			Check U/S Sensor Intergrity & Set Gap	1 hr	Thu 04/05/23 14:43	Thu 04/05/23 15:43	10458	Ash-Elec1,Ash-SSElec1
10460			Check U/S Sensor J/Box Connections	1 hr	Thu 04/05/23 15:43	Thu 04/05/23 16:43	10459	Ash-Elec1,Ash-SSElec1
10461			Check Geared Unit Oil Leakage Into The Motor	1 hr	Thu 04/05/23 16:43	Thu 04/05/23 17:43	10460	Ash-Elec1,Ash-SSElec1

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10462			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Thu 04/05/23 17:43	Fri 05/05/23 07:13	10461	Ash-Elec1,Ash-SSElec1
10463			Seal For Moisture And Dust	1 hr	Fri 05/05/23 07:13	Fri 05/05/23 08:13	10462	Ash-Elec1,Ash-SSElec1
10464			Clear Permit	0.25 hrs	Fri 05/05/23 08:13	Fri 05/05/23 08:28	10463	Ash-Elec1,Ash-SSElec1
10465		**42A2RE02**	**#2 SODA STORAGE FEED BELT CONVEYOR - Replace Faulty Trip Switches**	**8.25 hrs**	**Fri 05/05/23 08:28**	**Fri 05/05/23 17:13**	**10452**	
10466			Make Out Permit	0.25 hrs	Fri 05/05/23 08:28	Fri 05/05/23 08:43		Operations
10467			Accept Permit	0.25 hrs	Fri 05/05/23 08:43	Fri 05/05/23 08:58	10466	Ash-Elec1,Ash-SSElec1
10468			Carry Out Elctrical Isolation	0.5 hrs	Fri 05/05/23 08:58	Fri 05/05/23 09:28	10467	Ash-Elec1,Ash-SSElec1
10469			Check Loose Connections In The Panel	0.5 hrs	Fri 05/05/23 09:28	Fri 05/05/23 09:58	10468	Ash-Elec1,Ash-SSElec1
10470			Check Contactor Contacts	1 hr	Fri 05/05/23 09:58	Fri 05/05/23 10:58	10469	Ash-Elec1,Ash-SSElec1
10471			Service Field Isolator	1 hr	Fri 05/05/23 10:58	Fri 05/05/23 11:58	10470	Ash-Elec1,Ash-SSElec1
10472			Check U/S Sensor Intergrity & Set Gap	1 hr	Fri 05/05/23 11:58	Fri 05/05/23 13:28	10471	Ash-Elec1,Ash-SSElec1
10473			Check U/S Sensor J/Box Connections	1 hr	Fri 05/05/23 13:28	Fri 05/05/23 14:28	10472	Ash-Elec1,Ash-SSElec1
10474			Check Geared Unit Oil Leakage Into The Motor	1 hr	Fri 05/05/23 14:28	Fri 05/05/23 15:28	10473	Ash-Elec1,Ash-SSElec1
10475			Tighten Motor Connections & Gland Intergrity	0.5 hrs	Fri 05/05/23 15:28	Fri 05/05/23 15:58	10474	Ash-Elec1,Ash-SSElec1
10476			Seal For Moisture And Dust	1 hr	Fri 05/05/23 15:58	Fri 05/05/23 16:58	10475	Ash-Elec1,Ash-SSElec1
10477			Clear Permit	0.25 hrs	Fri 05/05/23 16:58	Fri 05/05/23 17:13	10476	Ash-Elec1,Ash-SSElec1
10478		**42A2RX01**	**NO.1 SODA ASH BOOM STACKER AND TRIPPER A - Carry out maintenance on electrical components**	**16.5 hrs**	**Fri 05/05/23 17:13**	**Sun 07/05/23 12:43**	**10465**	
10479			Traverse stacker to maintenance bay	0.5 hrs	Fri 05/05/23 17:13	Fri 05/05/23 17:43		Operations
10480			Lower the boom and support it	1 hr	Fri 05/05/23 17:43	Sat 06/05/23 07:43	10479	G Moeseraela,T Moloi
10481			Make out permit	0.25 hrs	Sat 06/05/23 07:43	Sat 06/05/23 07:58	10480	Ash-Elec1,Ash-SSElec1
10482			Accept permit	0.25 hrs	Sat 06/05/23 07:58	Sat 06/05/23 08:13	10481	Ash-Elec1,Ash-SSElec1
10483			Carry out electrical isolation	0.25 hrs	Sat 06/05/23 08:13	Sat 06/05/23 08:28	10482	Ash-Elec1,Ash-SSElec1
10484			Disconnect stacker power supply cable	1.5 hrs	Sat 06/05/23 08:28	Sat 06/05/23 09:58	10483	Ash-Elec1,Ash-SSElec1
10485			Replace damaged cable guide	3 hrs	Sat 06/05/23 09:58	Sat 06/05/23 13:28	10484	Ash-Elec1,Ash-SSElec1,M Ramatlhakeng,S Monna
10486			Connect stacker power supply cable	2 hrs	Sat 06/05/23 13:28	Sat 06/05/23 15:28	10485	Ash-Elec1,Ash-SSElec1
10487			Connect stacker earth conductors	1.5 hrs	Sat 06/05/23 15:28	Sat 06/05/23 16:58	10486	Ash-Elec1,Ash-SSElec1
10488			Check loose connections in the panel	0.25 hrs	Sat 06/05/23 16:58	Sat 06/05/23 17:13	10487	Ash-Elec1,Ash-SSElec1
10489			Check Contactor contacts connetions	0.25 hrs	Sat 06/05/23 17:13	Sat 06/05/23 17:28	10488	Ash-Elec1,Ash-SSElec1
10490			Confirm correct setting of protections	0.25 hrs	Sat 06/05/23 17:28	Sat 06/05/23 17:43	10489	Ash-Elec1,Ash-SSElec1
10491			Check operationof sirens, warning alarms and beacon lights	0.5 hrs	Sat 06/05/23 17:43	Sun 07/05/23 07:13	10490	Ash-Elec1,Ash-SSElec1
10492			Check loose connection and condition of trip, alignment switches	0.5 hrs	Sun 07/05/23 07:13	Sun 07/05/23 07:43	10491	Ash-Elec1,Ash-SSElec1
10493			Check and replace worn out trip wires	0.5 hrs	Sun 07/05/23 07:43	Sun 07/05/23 08:13	10492	Ash-Elec1,Ash-SSElec1
10494			Check pile high switches	0.5 hrs	Sun 07/05/23 08:13	Sun 07/05/23 08:43	10493	Ash-Elec1,Ash-SSElec1
10495			Service unticollision detectors	0.5 hrs	Sun 07/05/23 08:43	Sun 07/05/23 09:13	10494	Ash-Elec1,Ash-SSElec1
10496			Check loose connection on catwhiskers	0.5 hrs	Sun 07/05/23 09:13	Sun 07/05/23 09:43	10495	Ash-Elec1,Ash-SSElec1
10497			Check and repair operation of realing drum system	0.5 hrs	Sun 07/05/23 09:43	Sun 07/05/23 10:13	10496	Ash-Elec1,Ash-SSElec1
10498			Service Stop/start	0.5 hrs	Sun 07/05/23 10:13	Sun 07/05/23 10:43	10497	Ash-Elec1,Ash-SSElec1
10499			Check motor fan condition	0.5 hrs	Sun 07/05/23 10:43	Sun 07/05/23 11:13	10498	Ash-Elec1,Ash-SSElec1
10500			Check cable terminal leads for over heating	0.25 hrs	Sun 07/05/23 11:13	Sun 07/05/23 11:28	10499	Ash-Elec1,Ash-SSElec1
10501			Tighten Motor connections & Gland intergrity	0.25 hrs	Sun 07/05/23 11:28	Sun 07/05/23 11:43	10500	Ash-Elec1,Ash-SSElec1
10502			Seal for Moisture and dust.	0.25 hrs	Sun 07/05/23 11:43	Sun 07/05/23 11:58	10501	Ash-Elec1,Ash-SSElec1
10503			Clear permit	0.25 hrs	Sun 07/05/23 11:58	Sun 07/05/23 12:43	10502	Ash-Elec1,Ash-SSElec1
10504		**42A2RX02**	**NO.1 SODA ASH BOOM STACKER AND TRIPPER B - Carry out maintenance on electrical components**	**16.5 hrs**	**Tue 18/04/23 08:30**	**Wed 19/04/23 15:00**		

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10505			Traverse stacker to maintenance bay	0.5 hrs	Tue 18/04/23 08:30	Tue 18/04/23 09:00		Operations
10506			Lower the boom and support it	1 hr	Tue 18/04/23 09:00	Tue 18/04/23 10:00	10505	G Moeseraela,T Moloi
10507			Make out permit	0.25 hrs	Tue 18/04/23 10:00	Tue 18/04/23 10:15	10506	Ash-Elec1,Ash-SSElec1
10508			Accept permit	0.25 hrs	Tue 18/04/23 10:15	Tue 18/04/23 10:30	10507	Ash-Elec1,Ash-SSElec1
10509			Carry out electrical isolation	0.25 hrs	Tue 18/04/23 10:30	Tue 18/04/23 10:45	10508	Ash-Elec1,Ash-SSElec1
10510			Disconnect stacker power supply cable	1.5 hrs	Tue 18/04/23 10:45	Tue 18/04/23 12:45	10509	Ash-Elec1,Ash-SSElec1
10511			Replace damaged cable guide	3 hrs	Tue 18/04/23 12:45	Tue 18/04/23 15:45	10510	Ash-Elec1,Ash-SSElec1,M Ramatlhakeng,S Monna
10512			Connect stacker power supply cable	2 hrs	Tue 18/04/23 15:45	Tue 18/04/23 17:45	10511	Ash-Elec1,Ash-SSElec1
10513			Connect stacker earth conductors	1.5 hrs	Tue 18/04/23 17:45	Wed 19/04/23 08:15	10512	Ash-Elec1,Ash-SSElec1
10514			Check loose connections in the panel	0.25 hrs	Wed 19/04/23 08:15	Wed 19/04/23 08:30	10513	Ash-Elec1,Ash-SSElec1
10515			Check Contactor contacts connetions	0.25 hrs	Wed 19/04/23 08:30	Wed 19/04/23 08:45	10514	Ash-Elec1,Ash-SSElec1
10516			Confirm correct setting of protections	0.25 hrs	Wed 19/04/23 08:45	Wed 19/04/23 09:00	10515	Ash-Elec1,Ash-SSElec1
10517			Check operationof sirens, warning alarms and beacon lights	0.5 hrs	Wed 19/04/23 09:00	Wed 19/04/23 09:30	10516	Ash-Elec1,Ash-SSElec1
10518			Check loose connection and condition of trip, alignment switches	0.5 hrs	Wed 19/04/23 09:30	Wed 19/04/23 10:00	10517	Ash-Elec1,Ash-SSElec1
10519			Check and replace worn out trip wires	0.5 hrs	Wed 19/04/23 10:00	Wed 19/04/23 10:30	10518	Ash-Elec1,Ash-SSElec1
10520			Check pile high switches	0.5 hrs	Wed 19/04/23 10:30	Wed 19/04/23 11:00	10519	Ash-Elec1,Ash-SSElec1
10521			Service unticollision detectors	0.5 hrs	Wed 19/04/23 11:00	Wed 19/04/23 11:30	10520	Ash-Elec1,Ash-SSElec1
10522			Check loose connection on catwhiskers	0.5 hrs	Wed 19/04/23 11:30	Wed 19/04/23 12:00	10521	Ash-Elec1,Ash-SSElec1
10523			Check and repair operation of realing drum system	0.5 hrs	Wed 19/04/23 12:30	Wed 19/04/23 13:00	10522	Ash-Elec1,Ash-SSElec1
10524			Service Stop/start	0.5 hrs	Wed 19/04/23 13:00	Wed 19/04/23 13:30	10523	Ash-Elec1,Ash-SSElec1
10525			Check motor fan condition	0.5 hrs	Wed 19/04/23 13:30	Wed 19/04/23 14:00	10524	Ash-Elec1,Ash-SSElec1
10526			Check cable terminal leads for over heating	0.25 hrs	Wed 19/04/23 14:00	Wed 19/04/23 14:15	10525	Ash-Elec1,Ash-SSElec1
10527			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 19/04/23 14:15	Wed 19/04/23 14:30	10526	Ash-Elec1,Ash-SSElec1
10528			Seal for Moisture and dust.	0.25 hrs	Wed 19/04/23 14:30	Wed 19/04/23 14:45	10527	Ash-Elec1,Ash-SSElec1
10529			Clear permit	0.25 hrs	Wed 19/04/23 14:45	Wed 19/04/23 15:00	10528	Ash-Elec1,Ash-SSElec1
10530		**42A2RM01**	**PORTAL SCRAPER RECLAIMER - Carry out maintenance on electrical components**	**11.5 hrs**	**Wed 19/04/23 15:00**	**Thu 20/04/23 16:00**	**10504**	
10531			Make out permit	0.25 hrs	Wed 19/04/23 15:00	Wed 19/04/23 15:15		Ash-Elec1,Ash-SSElec1
10532			Accept permit	0.25 hrs	Wed 19/04/23 15:15	Wed 19/04/23 15:30	10531	Ash-Elec1,Ash-SSElec1
10533			Carry out electrical isolation	0.25 hrs	Wed 19/04/23 15:30	Wed 19/04/23 15:45	10532	Ash-Elec1,Ash-SSElec1
10534			Check loose connections in the panel	0.25 hrs	Wed 19/04/23 15:45	Wed 19/04/23 16:00	10533	Ash-Elec1,Ash-SSElec1
10535			Check Contactor contacts connetions	0.25 hrs	Wed 19/04/23 16:00	Wed 19/04/23 16:15	10534	Ash-Elec1,Ash-SSElec1
10536			Confirm correct setting of protections	0.25 hrs	Wed 19/04/23 16:15	Wed 19/04/23 16:30	10535	Ash-Elec1,Ash-SSElec1
10537			Check operation of sirens, warning alarms and lights	1 hr	Wed 19/04/23 16:30	Wed 19/04/23 17:30	10536	Ash-Elec1,Ash-SSElec1
10538			Service upper and lower limit switches	1 hr	Wed 19/04/23 17:30	Thu 20/04/23 07:30	10537	Ash-Elec1,Ash-SSElec1
10539			Check pile high switches	0.5 hrs	Thu 20/04/23 07:30	Thu 20/04/23 08:00	10538	Ash-Elec1,Ash-SSElec1
10540			Check loose connection on anticollission sensors	0.5 hrs	Thu 20/04/23 08:00	Thu 20/04/23 08:30	10539	Ash-Elec1,Ash-SSElec1
10541			Check main and sub booms limit switches	0.5 hrs	Thu 20/04/23 08:30	Thu 20/04/23 09:00	10540	Ash-Elec1,Ash-SSElec1
10542			Check and repair operation of realing drum system	0.5 hrs	Thu 20/04/23 09:00	Thu 20/04/23 09:30	10541	Ash-Elec1,Ash-SSElec1
10543			Service unticollision detectors	4 hrs	Thu 20/04/23 09:30	Thu 20/04/23 14:00	10542	Ash-Elec1,Ash-SSElec1
10544			Service Stop/start	0.5 hrs	Thu 20/04/23 14:00	Thu 20/04/23 14:30	10543	Ash-Elec1,Ash-SSElec1
10545			Check motor fan condition	0.5 hrs	Thu 20/04/23 14:30	Thu 20/04/23 15:00	10544	Ash-Elec1,Ash-SSElec1
10546			Check cable terminal leads for over heating	0.25 hrs	Thu 20/04/23 15:00	Thu 20/04/23 15:15	10545	Ash-Elec1,Ash-SSElec1
10547			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 20/04/23 15:15	Thu 20/04/23 15:30	10546	Ash-Elec1,Ash-SSElec1
10548			Seal for Moisture and dust.	0.25 hrs	Thu 20/04/23 15:30	Thu 20/04/23 15:45	10547	Ash-Elec1,Ash-SSElec1

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10549		Clear permit	0.25 hrs	Thu 20/04/23 15:45	Thu 20/04/23 16:00	10548	Ash-Elec1,Ash-SSElec1
10550	**42B2RE01**	**TRANSFER BELT CONVEYOR - Carry out maintenance on electrical components**	**6.5 hrs**	**Thu 20/04/23 16:00**	**Fri 21/04/23 11:30**	**10530**	
10551		Make out permit	0.25 hrs	Thu 20/04/23 16:00	Thu 20/04/23 16:15		Ash-Elec1,Ash-SSElec1
10552		Accept permit	0.25 hrs	Thu 20/04/23 16:15	Thu 20/04/23 16:30	10551	Ash-Elec1,Ash-SSElec1
10553		Carry out electrical isolation	0.25 hrs	Thu 20/04/23 16:30	Thu 20/04/23 16:45	10552	Ash-Elec1,Ash-SSElec1
10554		Check loose connections in the panel	0.25 hrs	Thu 20/04/23 16:45	Thu 20/04/23 17:00	10553	Ash-Elec1,Ash-SSElec1
10555		Check Contactor contacts connetions	0.25 hrs	Thu 20/04/23 17:00	Thu 20/04/23 17:15	10554	Ash-Elec1,Ash-SSElec1
10556		Confirm correct setting of protections	0.25 hrs	Thu 20/04/23 17:15	Thu 20/04/23 17:30	10555	Ash-Elec1,Ash-SSElec1
10557		Service Stop/start	0.5 hrs	Thu 20/04/23 17:30	Thu 20/04/23 18:00	10556	Ash-Elec1,Ash-SSElec1
10558		Repair operation of sirens	2 hrs	Fri 21/04/23 07:00	Fri 21/04/23 09:00	10557	Ash-Elec1,Ash-SSElec1
10559		Check loose connection and condition of trip switches	0.5 hrs	Fri 21/04/23 09:00	Fri 21/04/23 09:30	10558	Ash-Elec1,Ash-SSElec1
10560		Check and replace worn out trip wires	0.5 hrs	Fri 21/04/23 09:30	Fri 21/04/23 10:00	10559	Ash-Elec1,Ash-SSElec1
10561		Check motor fan condition	0.5 hrs	Fri 21/04/23 10:00	Fri 21/04/23 10:30	10560	Ash-Elec1,Ash-SSElec1
10562		Check cable terminal leads for over heating	0.25 hrs	Fri 21/04/23 10:30	Fri 21/04/23 10:45	10561	Ash-Elec1,Ash-SSElec1
10563		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 21/04/23 10:45	Fri 21/04/23 11:00	10562	Ash-Elec1,Ash-SSElec1
10564		Seal for Moisture and dust.	0.25 hrs	Fri 21/04/23 11:00	Fri 21/04/23 11:15	10563	Ash-Elec1,Ash-SSElec1
10565		Clear permit	0.25 hrs	Fri 21/04/23 11:15	Fri 21/04/23 11:30	10564	Ash-Elec1,Ash-SSElec1
10566	**42A2RE03**	**SODA ASH STORAGE EXPORT BELT - Carry out maintenance on electrical components**	**8.5 hrs**	**Fri 21/04/23 11:30**	**Sat 22/04/23 09:30**	**10550**	
10567		Make out permit	0.25 hrs	Fri 21/04/23 11:30	Fri 21/04/23 11:45		Ash-Elec1,Ash-SSElec1
10568		Accept permit	0.25 hrs	Fri 21/04/23 11:45	Fri 21/04/23 12:00	10567	Ash-Elec1,Ash-SSElec1
10569		Carry out electrical isolation	0.25 hrs	Fri 21/04/23 12:30	Fri 21/04/23 12:45	10568	Ash-Elec1,Ash-SSElec1
10570		Check loose connections in the panel	0.25 hrs	Fri 21/04/23 12:45	Fri 21/04/23 13:00	10569	Ash-Elec1,Ash-SSElec1
10571		Check Contactor contacts connetions	0.25 hrs	Fri 21/04/23 13:00	Fri 21/04/23 13:15	10570	Ash-Elec1,Ash-SSElec1
10572		Confirm correct setting of protections	0.25 hrs	Fri 21/04/23 13:15	Fri 21/04/23 13:30	10571	Ash-Elec1,Ash-SSElec1
10573		Service Stop/start	0.5 hrs	Fri 21/04/23 13:30	Fri 21/04/23 14:00	10572	Ash-Elec1,Ash-SSElec1
10574		Repair operation of sirens	4 hrs	Fri 21/04/23 14:00	Fri 21/04/23 18:00	10573	Ash-Elec1,Ash-SSElec1
10575		Check loose connection and condition of trip, alignment switches	0.5 hrs	Sat 22/04/23 07:00	Sat 22/04/23 07:30	10574	Ash-Elec1,Ash-SSElec1
10576		Check and replace worn out trip wires	0.5 hrs	Sat 22/04/23 07:30	Sat 22/04/23 08:00	10575	Ash-Elec1,Ash-SSElec1
10577		Check motor fan condition	0.5 hrs	Sat 22/04/23 08:00	Sat 22/04/23 08:30	10576	Ash-Elec1,Ash-SSElec1
10578		Check cable terminal leads for over heating	0.25 hrs	Sat 22/04/23 08:30	Sat 22/04/23 08:45	10577	Ash-Elec1,Ash-SSElec1
10579		Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 22/04/23 08:45	Sat 22/04/23 09:00	10578	Ash-Elec1,Ash-SSElec1
10580		Seal for Moisture and dust.	0.25 hrs	Sat 22/04/23 09:00	Sat 22/04/23 09:15	10579	Ash-Elec1,Ash-SSElec1
10581		Clear permit	0.25 hrs	Sat 22/04/23 09:15	Sat 22/04/23 09:30	10580	Ash-Elec1,Ash-SSElec1
10582	**Area 42A,C**	**DENSE SODA ASH BAGGING**	**51.5 hrs**	**Mon 01/05/23 16:30**	**Sat 06/05/23 15:30**	**2SS+13 day**	
10583		**OPERATIONS**	**12 hrs**	**Mon 01/05/23 16:30**	**Tue 02/05/23 18:00**		
10584		**PLANT STOPPAGE**	**1.5 hrs**	**Mon 01/05/23 16:30**	**Mon 01/05/23 18:30**	**10192SS**	
10585		Stop plant and flush circuit	2 hrs	Mon 01/05/23 16:30	Mon 01/05/23 18:30		Operations
10586		**DENSE ASH SILO - Inspect & Clean Silo**	**10.5 hrs**	**Mon 01/05/23 18:30**	**Tue 02/05/23 18:00**	**10584**	
10587		Organize Hoses,	0 hrs	Mon 01/05/23 18:30	Mon 01/05/23 18:30		Operations
10588		Empty silo	0 hrs	Mon 01/05/23 18:30	Mon 01/05/23 18:30	10587	Operations
10589		Issue Permit (To Remove Bottom & Side Covers)	0.25 hrs	Mon 01/05/23 18:30	Mon 01/05/23 18:45	10588	Operations
10590		Remove Bottom & Side Covers	4 hrs	Tue 02/05/23 07:00	Tue 02/05/23 11:00	10589	Comp-FT10
10591		Clean Silo Internally	4 hrs	Tue 02/05/23 11:00	Tue 02/05/23 15:00	10590	Operations

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10592			Allow Silo To Dry Up(Naturally)	0 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:00	10591	Operations
10593			Put Back Covers And Cancel Permit	3 hrs	Tue 02/05/23 15:00	Tue 02/05/23 18:00	10592	Comp-FT10
10594			**MAINTENANCE STARTS**	**0 hrs**	**Tue 02/05/23 18:00**	**Tue 02/05/23 18:00**	**10586**	
10595			Maintenance jobs commence	0 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:00		
10596		**Area 42A,C**	**MECHANICAL**	**39 hrs**	**Tue 02/05/23 18:00**	**Sat 06/05/23 15:00**	**10594**	
10597		**42C2RE02**	**1 TON METERING CONVEYOR - Splice Belt**	**18 hrs**	**Tue 02/05/23 18:00**	**Thu 04/05/23 15:00**		
10598			Erect scaffold prior	0 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:00		RSC Scaffolding
10599			Make out permit	0.25 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:15	10598	Operations
10600			Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	10599	Bagg-FT8,Bagg-SSFT8
10601			Carry out risk assement	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	10600	Comp-FT10
10602			remove guard	1 hr	Wed 03/05/23 07:30	Wed 03/05/23 08:30	10601	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10603			remove old conveyor	1.5 hrs	Wed 03/05/23 08:30	Wed 03/05/23 10:00	10602	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10604			Replace all defective idlers	4 hrs	Wed 03/05/23 10:00	Wed 03/05/23 14:30	10603	Bagg-FT8,Bagg-SSFT8
10605			Pull in new conveyor	1.5 hrs	Wed 03/05/23 14:30	Wed 03/05/23 16:00	10604	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10606			Splice	3 hrs	Wed 03/05/23 16:00	Thu 04/05/23 08:00	10605	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10607			allow to cure	4 hrs	Thu 04/05/23 08:00	Thu 04/05/23 12:00	10606	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10608			remove splicing machine	0.5 hrs	Thu 04/05/23 12:30	Thu 04/05/23 13:00	10607	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10609			Tension belt	0.5 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:30	10608	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10610			Replace guards	1 hr	Thu 04/05/23 13:30	Thu 04/05/23 14:30	10609	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10611			house keeping	0.25 hrs	Thu 04/05/23 14:30	Thu 04/05/23 14:45	10610	Bagg-FT8,Bagg-SSFT8
10612			Clear permit	0.25 hrs	Thu 04/05/23 14:45	Thu 04/05/23 15:00	10611	Bagg-FT8,Bagg-SSFT8
10613		**42C2RE07**	**1 TON METERING CONVEYOR - Carry out belt inspection, maintenance & belt Splice**	**21 hrs**	**Thu 04/05/23 15:00**	**Sat 06/05/23 15:00**	**10597**	
10614			Erect scaffold prior	0 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:00		
10615			Make out permit	0.25 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:15	10614	Operations
10616			Accept permit	0.25 hrs	Thu 04/05/23 15:15	Thu 04/05/23 15:30	10615	Bagg-FT8,Bagg-SSFT8
10617			Carry out risk assement	0.25 hrs	Thu 04/05/23 15:30	Thu 04/05/23 15:45	10616	Bagg-FT8,Bagg-SSFT8
10618			Remove guard	1 hr	Thu 04/05/23 15:45	Thu 04/05/23 16:45	10617	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10619			Remove old conveyor	1.5 hrs	Thu 04/05/23 16:45	Fri 05/05/23 07:15	10618	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10620			Replace all defective idlers	4 hrs	Fri 05/05/23 07:15	Fri 05/05/23 11:15	10619	Bagg-FT8,Bagg-SSFT8
10621			Pull in new conveyor	1.5 hrs	Fri 05/05/23 11:15	Fri 05/05/23 13:15	10620	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10622			Splice	3 hrs	Fri 05/05/23 13:15	Fri 05/05/23 16:15	10621	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10623			Allow to cure	4 hrs	Fri 05/05/23 16:15	Sat 06/05/23 09:15	10622	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10624			remove splicing machine	0.5 hrs	Sat 06/05/23 09:15	Sat 06/05/23 09:45	10623	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10625			Inspect and grease all bearings	3 hrs	Sat 06/05/23 09:45	Sat 06/05/23 13:15	10624	Bagg-FT8,Bagg-SSFT8
10626			Tension belt	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	10625	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10627			Replace guards	1 hr	Sat 06/05/23 13:45	Sat 06/05/23 14:45	10626	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10628			Clear permit	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	10627	Bagg-FT8,Bagg-SSFT8
10629		**42C2RE02**	**50 KG METERING CONVEYOR - Carry out belt inspection, maintenance& belt Splice**	**18 hrs**	**Tue 02/05/23 18:00**	**Thu 04/05/23 15:00**		
10630			Erect scaffold prior	0 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:00		RSC Scaffolding
10631			Make out permit	0.25 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:15	10630	Operations
10632			Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	10631	Bagg-FT8,Bagg-SSFT8
10633			Carry out risk assement	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	10632	Bagg-FT8,Bagg-SSFT8
10634			Remove guard	1 hr	Wed 03/05/23 07:30	Wed 03/05/23 08:30	10633	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10635			Remove old conveyor	1.5 hrs	Wed 03/05/23 08:30	Wed 03/05/23 10:00	10634	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10636			Replace all defective idlers	4 hrs	Wed 03/05/23 10:00	Wed 03/05/23 14:30	10635	Bagg-FT8,Bagg-SSFT8
10637			Pull in new conveyor	1.5 hrs	Wed 03/05/23 14:30	Wed 03/05/23 16:00	10636	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10638			Splice	3 hrs	Wed 03/05/23 16:00	Thu 04/05/23 08:00	10637	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10639			Allow to cure	4 hrs	Thu 04/05/23 08:00	Thu 04/05/23 12:00	10638	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10640			remove splicing machine	0.5 hrs	Thu 04/05/23 12:30	Thu 04/05/23 13:00	10639	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10641			Tension belt	0.5 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:30	10640	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10642			Replace guards	1 hr	Thu 04/05/23 13:30	Thu 04/05/23 14:30	10641	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10643			house keeping	0.25 hrs	Thu 04/05/23 14:30	Thu 04/05/23 14:45	10642	Bagg-FT8,Bagg-SSFT8
10644			Clear permit	0.25 hrs	Thu 04/05/23 14:45	Thu 04/05/23 15:00	10643	Bagg-FT8,Bagg-SSFT8
10645		**42C2RE05**	**50KG LIGHT ASH DRIVE UNIT - Refurbish structure & replace Geared Units (Ele & Fit)**	**37.75 hrs**	**Tue 02/05/23 18:00**	**Sat 06/05/23 13:45**		
10646			Erect scaffold prior	0 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:00		RSC Scaffolding
10647			Make out permit	0.25 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:15	10646	Operations
10648			Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	10647	Bagg-FT8,Bagg-SSFT8
10649			Carry out risk assement	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	10648	Bagg-FT8,Bagg-SSFT8
10650			remove guard	0.5 hrs	Wed 03/05/23 07:30	Wed 03/05/23 08:00	10649	Bagg-FT8,Bagg-SSFT8
10651			Disconnect geared unit& all other electrical cables	1 hr	Wed 03/05/23 08:00	Wed 03/05/23 09:00	10650	Elec (Ash)2
10652			Loosen mounting bolts& supprt structure	1 hr	Wed 03/05/23 09:00	Wed 03/05/23 10:00	10651	Bagg-FT8,Bagg-SSFT8
10653			Rig out structure	0.5 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:30	10652	Comp-FT10,G Moeseraela,T Moloi,K Gabantogele
10654			Sand blast and paint	24 hrs	Wed 03/05/23 10:30	Fri 05/05/23 14:00	10653	M Ramatlhakeng,S Monna
10655			Replace geared unit& bearings	1 hr	Fri 05/05/23 14:00	Fri 05/05/23 15:00	10654	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10656			Secure geared unit& bearings	0.5 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:30	10655	Bagg-FT8,Bagg-SSFT8
10657			Re install structure	6 hrs	Fri 05/05/23 15:30	Sat 06/05/23 10:30	10656	Bagg-FT8,Bagg-SSFT8,G Moeseraela,T Moloi,K Gabant
10658			Reconnect all electrical cables	6 hrs	Fri 05/05/23 15:30	Sat 06/05/23 10:30	10657SS	Elec (Ash)2
10659			replace guards	1 hr	Sat 06/05/23 10:30	Sat 06/05/23 11:30	10658	Bagg-FT8,Bagg-SSFT8
10660			house keeping	0.5 hrs	Sat 06/05/23 11:30	Sat 06/05/23 12:00	10659	Comp-FT10
10661			Clear permit	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	10660	Comp-FT10
10662			Test run	0.5 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:15	10661	Comp-FT10
10663			Hand over	0.5 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:45	10662	Comp-FT10
10664		**42D2RE03**	**50KG DENSE ASH DRIVE UNIT - Carry out inspection and maintenance**	**21.25 hrs**	**Tue 02/05/23 18:00**	**Fri 05/05/23 07:15**		
10665			Erect scaffold prior	0 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:00		
10666			Make out permit	0.25 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:15	10665	Operations
10667			Accept permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	10666	Comp-FT10
10668			Carry out risk assement	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	10667	Comp-FT10
10669			remove guard	0.5 hrs	Wed 03/05/23 07:30	Wed 03/05/23 08:00	10668	Comp-FT10
10670			Inspect geared unit& bearings and replace where necessary	8 hrs	Wed 03/05/23 08:00	Wed 03/05/23 16:30	10669	Comp-FT10,G Moeseraela,T Moloi,K Gabantogele
10671			Check condition of the belt	1 hr	Wed 03/05/23 16:30	Wed 03/05/23 17:30	10670	
10672			Replace if necessary and clip the conveyor	9 hrs	Wed 03/05/23 17:30	Thu 04/05/23 16:00	10671	
10673			replace guards	1 hr	Thu 04/05/23 16:00	Thu 04/05/23 17:00	10670,106	Comp-FT10
10674			house keeping	0.5 hrs	Thu 04/05/23 17:00	Thu 04/05/23 17:30	10673	Comp-FT10
10675			Clear permit	0.25 hrs	Thu 04/05/23 17:30	Thu 04/05/23 17:45	10674	Comp-FT10
10676			Test run	0.5 hrs	Thu 04/05/23 17:45	Fri 05/05/23 07:15	10675	Comp-FT10
10677		**42D2GB01**	**EXHAUST FAN - Inspection and maintainance (carry out fan balancing)**	**25.75 hrs**	**Tue 02/05/23 18:00**	**Fri 05/05/23 11:45**		
10678			Make Out Permit	0.25 hrs	Tue 02/05/23 18:00	Tue 02/05/23 18:15		Operations

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10679		Accept Permit	0.25 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:15	10678	SStore Ft3,Store (ft)3
10680		Clean The Impeller	0.25 hrs	Wed 03/05/23 07:15	Wed 03/05/23 07:30	10679	SStore Ft3,Store (ft)3
10681		Inspect Bearing & replace if necessary	6 hrs	Wed 03/05/23 07:30	Wed 03/05/23 14:00	10680	Store (ft)3,SStore Ft3
10682		Inspect V-Belt And Pulley, Change If Necessary	4 hrs	Wed 03/05/23 14:00	Wed 03/05/23 18:00	10681	Store (ft)3,SStore Ft3
10683		Carry Out Laser Alignment	1 hr	Thu 04/05/23 07:00	Thu 04/05/23 08:00	10682	Reliability
10684		Box Up	2 hrs	Thu 04/05/23 08:00	Thu 04/05/23 10:00	10683	SStore Ft3,Store (ft)3
10685		Clear Permit	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	10684	Store (ft)3,SStore Ft3
10686		Carry out fan balancing	12 hrs	Thu 04/05/23 10:15	Fri 05/05/23 11:45	10685	Reliability
10687		**ELECTRICAL**	**51.5 hrs**	**Mon 01/05/23 16:30**	**Sat 06/05/23 15:30**		
10688	**42C2RE02**	**METERING BELT CONVEYOR - Carry out maintenance on electrical components**	**5.5 hrs**	**Mon 01/05/23 16:30**	**Tue 02/05/23 11:00**		
10689		Make out permit	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45		Ash-Elec5,Ash-SSElec5
10690		Accept permit	0.25 hrs	Mon 01/05/23 16:45	Mon 01/05/23 17:00	10689	Ash-Elec5,Ash-SSElec5
10691		Carry out electrical isolation	0.25 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:15	10690	Ash-Elec5,Ash-SSElec5
10692		Check loose connections in the panel	0.25 hrs	Mon 01/05/23 17:15	Mon 01/05/23 17:30	10691	Ash-Elec5,Ash-SSElec5
10693		Check Contactor contacts connetions	0.25 hrs	Mon 01/05/23 17:30	Mon 01/05/23 17:45	10692	Ash-Elec5,Ash-SSElec5
10694		Confirm correct setting of protections	0.25 hrs	Mon 01/05/23 17:45	Mon 01/05/23 18:00	10693	Ash-Elec5,Ash-SSElec5
10695		Service Stop/start	0.5 hrs	Tue 02/05/23 07:00	Tue 02/05/23 07:30	10694	Ash-Elec5,Ash-SSElec5
10696		Check loose connection and condition of trip switches	1.5 hrs	Tue 02/05/23 07:30	Tue 02/05/23 09:00	10695	Ash-Elec5,Ash-SSElec5
10697		Check and replace worn out trip wires	0.5 hrs	Tue 02/05/23 09:00	Tue 02/05/23 09:30	10696	Ash-Elec5,Ash-SSElec5
10698		Check motor fan condition	0.5 hrs	Tue 02/05/23 09:30	Tue 02/05/23 10:00	10697	Ash-Elec5,Ash-SSElec5
10699		Check cable terminal leads for over heating	0.25 hrs	Tue 02/05/23 10:00	Tue 02/05/23 10:15	10698	Ash-Elec5,Ash-SSElec5
10700		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 10:15	Tue 02/05/23 10:30	10699	Ash-Elec5,Ash-SSElec5
10701		Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 10:30	Tue 02/05/23 10:45	10700	Ash-Elec5,Ash-SSElec5
10702		Clear permit	0.25 hrs	Tue 02/05/23 10:45	Tue 02/05/23 11:00	10701	Ash-Elec5,Ash-SSElec5
10703	**42C2RE03**	**SEWING BELT CONVEYOR - Carry out maintenance on electrical components**	**4.5 hrs**	**Tue 02/05/23 11:00**	**Tue 02/05/23 16:00**	**10688**	
10704		Make out permit	0.25 hrs	Tue 02/05/23 11:00	Tue 02/05/23 11:15		Ash-Elec5,Ash-SSElec5
10705		Accept permit	0.25 hrs	Tue 02/05/23 11:15	Tue 02/05/23 11:30	10704	Ash-Elec5,Ash-SSElec5
10706		Carry out electrical isolation	0.25 hrs	Tue 02/05/23 11:30	Tue 02/05/23 11:45	10705	Ash-Elec5,Ash-SSElec5
10707		Check loose connections in the panel	0.25 hrs	Tue 02/05/23 11:45	Tue 02/05/23 12:00	10706	Ash-Elec5,Ash-SSElec5
10708		Check Contactor contacts connetions	0.25 hrs	Tue 02/05/23 12:30	Tue 02/05/23 12:45	10707	Ash-Elec5,Ash-SSElec5
10709		Confirm correct setting of protections	0.25 hrs	Tue 02/05/23 12:45	Tue 02/05/23 13:00	10708	Ash-Elec5,Ash-SSElec5
10710		Service Stop/start	0.5 hrs	Tue 02/05/23 13:00	Tue 02/05/23 13:30	10709	Ash-Elec5,Ash-SSElec5
10711		Check loose connection and condition of trip switches	0.5 hrs	Tue 02/05/23 13:30	Tue 02/05/23 14:00	10710	Ash-Elec5,Ash-SSElec5
10712		Check and replace worn out trip wires	0.5 hrs	Tue 02/05/23 14:00	Tue 02/05/23 14:30	10711	Ash-Elec5,Ash-SSElec5
10713		Check motor fan condition	0.5 hrs	Tue 02/05/23 14:30	Tue 02/05/23 15:00	10712	Ash-Elec5,Ash-SSElec5
10714		Check cable terminal leads for over heating	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	10713	Ash-Elec5,Ash-SSElec5
10715		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30	10714	Ash-Elec5,Ash-SSElec5
10716		Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45	10715	Ash-Elec5,Ash-SSElec5
10717		Clear permit	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	10716	
10718	**42C2RE04**	**BELT CONVEYOR WITH TILT DEVICE - Carry out maintenance on electrical components**	**6 hrs**	**Tue 02/05/23 16:00**	**Wed 03/05/23 11:00**	**10703**	
10719		Make out permit	0.25 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:15		Ash-Elec5,Ash-SSElec5
10720		Accept permit	0.25 hrs	Tue 02/05/23 16:15	Tue 02/05/23 16:30	10719	Ash-Elec5,Ash-SSElec5

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10721			Carry out electrical isolation	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	10720	Ash-Elec5,Ash-SSElec5
10722			Check loose connections in the panel	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	10721	Ash-Elec5,Ash-SSElec5
10723			Check Contactor contacts connetions	0.25 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:15	10722	Ash-Elec5,Ash-SSElec5
10724			Confirm correct setting of protections	0.25 hrs	Tue 02/05/23 17:15	Tue 02/05/23 17:30	10723	Ash-Elec5,Ash-SSElec5
10725			Service Stop/start	0.5 hrs	Tue 02/05/23 17:30	Tue 02/05/23 18:00	10724	Ash-Elec5,Ash-SSElec5
10726			Check operation of sirens	1.5 hrs	Wed 03/05/23 07:00	Wed 03/05/23 08:30	10725	Ash-Elec5,Ash-SSElec5
10727			Check loose connection and condition of trip switches	0.5 hrs	Wed 03/05/23 08:30	Wed 03/05/23 09:00	10726	Ash-Elec5,Ash-SSElec5
10728			Check and replace worn out trip wires	0.5 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:30	10727	Ash-Elec5,Ash-SSElec5
10729			Check motor fan condition	0.5 hrs	Wed 03/05/23 09:30	Wed 03/05/23 10:00	10728	Ash-Elec5,Ash-SSElec5
10730			Check cable terminal leads for over heating	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15	10729	Ash-Elec5,Ash-SSElec5
10731			Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	10730	Ash-Elec5,Ash-SSElec5
10732			Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 10:30	Wed 03/05/23 10:45	10731	Ash-Elec5,Ash-SSElec5
10733			Clear permit	0.25 hrs	Wed 03/05/23 10:45	Wed 03/05/23 11:00	10732	Ash-Elec5,Ash-SSElec5
10734		**42C2RC02**	**ASH BAGGING OVERHEAD CRANE (1ton) - Carry out maintenance on electrical components**	**8.5 hrs**	**Wed 03/05/23 11:00**	**Thu 04/05/23 09:00**	**10718**	
10735			Make out permit	0.25 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:15		Ash-Elec5,Ash-SSElec5
10736			Accept permit	0.25 hrs	Wed 03/05/23 11:15	Wed 03/05/23 11:30	10735	Ash-Elec5,Ash-SSElec5
10737			Carry out electrical isolation	0.25 hrs	Wed 03/05/23 11:30	Wed 03/05/23 11:45	10736	Ash-Elec5,Ash-SSElec5
10738			Check loose connections in the control panel	0.25 hrs	Wed 03/05/23 11:45	Wed 03/05/23 12:00	10737	Ash-Elec5,Ash-SSElec5
10739			Check Contactor contacts connetions	0.25 hrs	Wed 03/05/23 12:30	Wed 03/05/23 12:45	10738	Ash-Elec5,Ash-SSElec5
10740			Confirm correct setting of protections	0.25 hrs	Wed 03/05/23 12:45	Wed 03/05/23 13:00	10739	Ash-Elec5,Ash-SSElec5
10741			Service Stop/start	0.5 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:30	10740	Ash-Elec5,Ash-SSElec5
10742			Inspect operation of limit switches	1.5 hrs	Wed 03/05/23 13:30	Wed 03/05/23 15:00	10741	Ash-Elec5,Ash-SSElec5
10743			Inspect hoist and traverse brakes	2 hrs	Wed 03/05/23 15:00	Wed 03/05/23 17:00	10742	Ash-Elec5,Ash-SSElec5
10744			Check all motors fan condition	0.5 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:30	10743	Ash-Elec5,Ash-SSElec5
10745			Inspect trailing cable and replace old cable ties.	0.5 hrs	Wed 03/05/23 17:30	Wed 03/05/23 18:00	10744	Ash-Elec5,Ash-SSElec5
10746			Inspect pendant cable and support slings	0.5 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:30	10745	Ash-Elec5,Ash-SSElec5
10747			Check loose connection in pendant controller	0.5 hrs	Thu 04/05/23 07:30	Thu 04/05/23 08:00	10746	Ash-Elec5,Ash-SSElec5
10748			Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 08:00	Thu 04/05/23 08:15	10747	Ash-Elec5,Ash-SSElec5
10749			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 08:15	Thu 04/05/23 08:30	10748	Ash-Elec5,Ash-SSElec5
10750			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 08:30	Thu 04/05/23 08:45	10749	Ash-Elec5,Ash-SSElec5
10751			Clear permit	0.25 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:00	10750	Ash-Elec5,Ash-SSElec5
10752		**42C2RE07**	**NO.2 METERING BELT CONVEYOR ONE TON - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 04/05/23 09:00**	**Thu 04/05/23 13:00**	**10734**	
10753			Make out permit	0.25 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:15		Ash-Elec4,Ash-SSElec4
10754			Accept permit	0.25 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:30	10753	Ash-Elec4,Ash-SSElec4
10755			Carry out electrical isolation	0.25 hrs	Thu 04/05/23 09:30	Thu 04/05/23 09:45	10754	Ash-Elec4,Ash-SSElec4
10756			Check loose connections in the panel	0.25 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:00	10755	Ash-Elec4,Ash-SSElec4
10757			Check Contactor contacts connetions	0.25 hrs	Thu 04/05/23 10:00	Thu 04/05/23 10:15	10756	Ash-Elec4,Ash-SSElec4
10758			Confirm correct setting of protections	0.25 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:30	10757	Ash-Elec4,Ash-SSElec4
10759			Service Stop/start	0.5 hrs	Thu 04/05/23 10:30	Thu 04/05/23 11:00	10758	Ash-Elec4,Ash-SSElec4
10760			Check motor fan condition	0.5 hrs	Thu 04/05/23 11:00	Thu 04/05/23 11:30	10759	Ash-Elec4,Ash-SSElec4
10761			Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 11:30	Thu 04/05/23 11:45	10760	Ash-Elec4,Ash-SSElec4
10762			Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:00	10761	Ash-Elec4,Ash-SSElec4
10763			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	10762	Ash-Elec4,Ash-SSElec4

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10764		Clear permit	0.25 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:00	10763	Ash-Elec4,Ash-SSElec4
10765	**42C2RE08**	**BAGGED BELT CONVEYOR - Carry out maintenance on electrical components**	**3.5 hrs**	**Thu 04/05/23 13:00**	**Thu 04/05/23 16:30**	**10752**	
10766		Make out permit	0.25 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:15		Ash-Elec4,Ash-SSElec4
10767		Accept permit	0.25 hrs	Thu 04/05/23 13:15	Thu 04/05/23 13:30	10766	Ash-Elec4,Ash-SSElec4
10768		Carry out electrical isolation	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	10767	Ash-Elec4,Ash-SSElec4
10769		Check loose connections in the panel	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	10768	Ash-Elec4,Ash-SSElec4
10770		Check Contactor contacts connetions	0.25 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:15	10769	Ash-Elec4,Ash-SSElec4
10771		Confirm correct setting of protections	0.25 hrs	Thu 04/05/23 14:15	Thu 04/05/23 14:30	10770	Ash-Elec4,Ash-SSElec4
10772		Service Stop/start	0.5 hrs	Thu 04/05/23 14:30	Thu 04/05/23 15:00	10771	Ash-Elec4,Ash-SSElec4
10773		Check motor fan condition	0.5 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:30	10772	Ash-Elec4,Ash-SSElec4
10774		Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 15:30	Thu 04/05/23 15:45	10773	Ash-Elec4,Ash-SSElec4
10775		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:00	10774	Ash-Elec4,Ash-SSElec4
10776		Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 16:00	Thu 04/05/23 16:15	10775	Ash-Elec4,Ash-SSElec4
10777		Clear permit	0.25 hrs	Thu 04/05/23 16:15	Thu 04/05/23 16:30	10776	Ash-Elec4,Ash-SSElec4
10778	**42C2RE09**	**HOLDING BELT CONVEYOR - Carry out maintenance on electrical components**	**5 hrs**	**Thu 04/05/23 16:30**	**Fri 05/05/23 10:30**	**10765**	
10779		Make out permit	0.25 hrs	Thu 04/05/23 16:30	Thu 04/05/23 16:45		Ash-Elec4,Ash-SSElec4
10780		Accept permit	0.25 hrs	Thu 04/05/23 16:45	Thu 04/05/23 17:00	10779	Ash-Elec4,Ash-SSElec4
10781		Carry out electrical isolation	0.25 hrs	Thu 04/05/23 17:00	Thu 04/05/23 17:15	10780	Ash-Elec4,Ash-SSElec4
10782		Check loose connections in the panel	0.25 hrs	Thu 04/05/23 17:15	Thu 04/05/23 17:30	10781	Ash-Elec4,Ash-SSElec4
10783		Check Contactor contacts connetions	0.25 hrs	Thu 04/05/23 17:30	Thu 04/05/23 17:45	10782	Ash-Elec4,Ash-SSElec4
10784		Confirm correct setting of protections	0.25 hrs	Thu 04/05/23 17:45	Thu 04/05/23 18:00	10783	Ash-Elec4,Ash-SSElec4
10785		Service Stop/start	0.5 hrs	Fri 05/05/23 07:00	Fri 05/05/23 07:30	10784	Ash-Elec4,Ash-SSElec4
10786		Replace worn out trip switch and trip wire	1.5 hrs	Fri 05/05/23 07:30	Fri 05/05/23 09:00	10785	Ash-Elec4,Ash-SSElec4
10787		Check motor fan condition	0.5 hrs	Fri 05/05/23 09:00	Fri 05/05/23 09:30	10786	Ash-Elec4,Ash-SSElec4
10788		Check cable terminal leads for over heating	0.25 hrs	Fri 05/05/23 09:30	Fri 05/05/23 09:45	10787	Ash-Elec4,Ash-SSElec4
10789		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 09:45	Fri 05/05/23 10:00	10788	Ash-Elec4,Ash-SSElec4
10790		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 10:00	Fri 05/05/23 10:15	10789	Ash-Elec4,Ash-SSElec4
10791		Clear permit	0.25 hrs	Fri 05/05/23 10:15	Fri 05/05/23 10:30	10790	Ash-Elec4,Ash-SSElec4
10792	**42B2GB01**	**AIR BLOWER - Carry out maintenance on electrical components**	**3.5 hrs**	**Fri 05/05/23 10:30**	**Fri 05/05/23 14:30**	**10778**	
10793		Make out permit	0.25 hrs	Fri 05/05/23 10:30	Fri 05/05/23 10:45		Ash-Elec4,Ash-SSElec4
10794		Accept permit	0.25 hrs	Fri 05/05/23 10:45	Fri 05/05/23 11:00	10793	Ash-Elec4,Ash-SSElec4
10795		Carry out electrical isolation	0.25 hrs	Fri 05/05/23 11:00	Fri 05/05/23 11:15	10794	Ash-Elec4,Ash-SSElec4
10796		Check loose connections in the panel	0.25 hrs	Fri 05/05/23 11:15	Fri 05/05/23 11:30	10795	Ash-Elec4,Ash-SSElec4
10797		Check Contactor contacts connetions	0.25 hrs	Fri 05/05/23 11:30	Fri 05/05/23 11:45	10796	Ash-Elec4,Ash-SSElec4
10798		Confirm correct setting of protections	0.25 hrs	Fri 05/05/23 11:45	Fri 05/05/23 12:00	10797	Ash-Elec4,Ash-SSElec4
10799		Service Stop/start	0.5 hrs	Fri 05/05/23 12:30	Fri 05/05/23 13:00	10798	Ash-Elec4,Ash-SSElec4
10800		Check motor fan condition	0.5 hrs	Fri 05/05/23 13:00	Fri 05/05/23 13:30	10799	Ash-Elec4,Ash-SSElec4
10801		Check cable terminal leads for over heating	0.25 hrs	Fri 05/05/23 13:30	Fri 05/05/23 13:45	10800	Ash-Elec4,Ash-SSElec4
10802		Tighten Motor connections & Gland intergrity	0.25 hrs	Fri 05/05/23 13:45	Fri 05/05/23 14:00	10801	Ash-Elec4,Ash-SSElec4
10803		Seal for Moisture and dust.	0.25 hrs	Fri 05/05/23 14:00	Fri 05/05/23 14:15	10802	Ash-Elec4,Ash-SSElec4
10804		Clear permit	0.25 hrs	Fri 05/05/23 14:15	Fri 05/05/23 14:30	10803	Ash-Elec4,Ash-SSElec4
10805	**42D2GB01**	**EXHAUST FAN - Carry out maintenance on electrical components**	**8 hrs**	**Fri 05/05/23 14:30**	**Sat 06/05/23 11:30**	**10792**	
10806		Make out permit	0.25 hrs	Fri 05/05/23 14:30	Fri 05/05/23 14:45		Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10807			Accept permit	0.25 hrs	Fri 05/05/23 14:45	Fri 05/05/23 15:00	10806	Ash-Elec2,Ash-SSElec2
10808			Carry out electrical isolation	0.25 hrs	Fri 05/05/23 15:00	Fri 05/05/23 15:15	10807	Ash-Elec2,Ash-SSElec2
10809			Disconnect motor	2 hrs	Fri 05/05/23 15:15	Fri 05/05/23 17:15	10808	Fit,Ash-Elec2,Ash-SSElec2,G Moeseraela,T Moloi
10810			Send motor for repair	0.5 hrs	Fri 05/05/23 17:15	Fri 05/05/23 17:45	10809	Ash-Elec2,Ash-SSElec2
10811			Check loose connections in the panel	0.25 hrs	Fri 05/05/23 17:45	Fri 05/05/23 18:00	10810	Ash-Elec2,Ash-SSElec2
10812			Check Contactor contacts connetions	0.25 hrs	Sat 06/05/23 07:00	Sat 06/05/23 07:15	10811	Ash-Elec2,Ash-SSElec2
10813			Confirm correct setting of protections	0.25 hrs	Sat 06/05/23 07:15	Sat 06/05/23 07:30	10812	Ash-Elec2,Ash-SSElec2
10814			Service Stop/start	0.5 hrs	Sat 06/05/23 07:30	Sat 06/05/23 08:00	10813	Ash-Elec2,Ash-SSElec2
10815			Install motor after repair	2.5 hrs	Sat 06/05/23 08:00	Sat 06/05/23 10:30	10814	Fit,Ash-Elec2,Ash-SSElec2,G Moeseraela,T Moloi
10816			Check cable terminal leads for over heating	0.25 hrs	Sat 06/05/23 10:30	Sat 06/05/23 10:45	10815	Ash-Elec2,Ash-SSElec2
10817			Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 10:45	Sat 06/05/23 11:00	10816	Ash-Elec2,Ash-SSElec2
10818			Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 11:00	Sat 06/05/23 11:15	10817	Ash-Elec2,Ash-SSElec2
10819			Clear permit	0.25 hrs	Sat 06/05/23 11:15	Sat 06/05/23 11:30	10818	Ash-Elec2,Ash-SSElec2
10820		**42D2RE01**	**REFINED ASH LOADING CONVEYOR - Carry out maintenance on electrical components**	**3.5 hrs**	**Sat 06/05/23 11:30**	**Sat 06/05/23 15:30**	**10805**	
10821			Make out permit	0.25 hrs	Sat 06/05/23 11:30	Sat 06/05/23 11:45		Ash-Elec2,Ash-SSElec2
10822			Accept permit	0.25 hrs	Sat 06/05/23 11:45	Sat 06/05/23 12:00	10821	Ash-Elec2,Ash-SSElec2
10823			Carry out electrical isolation	0.25 hrs	Sat 06/05/23 12:30	Sat 06/05/23 12:45	10822	Ash-Elec2,Ash-SSElec2
10824			Check loose connections in the panel	0.25 hrs	Sat 06/05/23 12:45	Sat 06/05/23 13:00	10823	Ash-Elec2,Ash-SSElec2
10825			Check Contactor contacts connetions	0.25 hrs	Sat 06/05/23 13:00	Sat 06/05/23 13:15	10824	Ash-Elec2,Ash-SSElec2
10826			Confirm correct setting of protections	0.25 hrs	Sat 06/05/23 13:15	Sat 06/05/23 13:30	10825	Ash-Elec2,Ash-SSElec2
10827			Service Stop/start	0.5 hrs	Sat 06/05/23 13:30	Sat 06/05/23 14:00	10826	Ash-Elec2,Ash-SSElec2
10828			Check motor fan condition	0.5 hrs	Sat 06/05/23 14:00	Sat 06/05/23 14:30	10827	Ash-Elec2,Ash-SSElec2
10829			Check cable terminal leads for over heating	0.25 hrs	Sat 06/05/23 14:30	Sat 06/05/23 14:45	10828	Ash-Elec2,Ash-SSElec2
10830			Tighten Motor connections & Gland intergrity	0.25 hrs	Sat 06/05/23 14:45	Sat 06/05/23 15:00	10829	Ash-Elec2,Ash-SSElec2
10831			Seal for Moisture and dust.	0.25 hrs	Sat 06/05/23 15:00	Sat 06/05/23 15:15	10830	Ash-Elec2,Ash-SSElec2
10832			Clear permit	0.25 hrs	Sat 06/05/23 15:15	Sat 06/05/23 15:30	10831	Ash-Elec2,Ash-SSElec2
10833		**42D2RE02**	**REFINED ASH STITCHING CONVEYOR - Carry out maintenance on electrical components**	**5 hrs**	**Mon 01/05/23 16:30**	**Tue 02/05/23 10:30**		
10834			Make out permit	0.25 hrs	Mon 01/05/23 16:30	Mon 01/05/23 16:45		Ash-Elec2,Ash-SSElec2
10835			Accept permit	0.25 hrs	Mon 01/05/23 16:45	Mon 01/05/23 17:00	10834	Ash-Elec2,Ash-SSElec2
10836			Carry out electrical isolation	0.25 hrs	Mon 01/05/23 17:00	Mon 01/05/23 17:15	10835	Ash-Elec2,Ash-SSElec2
10837			Check loose connections in the panel	0.25 hrs	Mon 01/05/23 17:15	Mon 01/05/23 17:30	10836	Ash-Elec2,Ash-SSElec2
10838			Check Contactor contacts connetions	0.25 hrs	Mon 01/05/23 17:30	Mon 01/05/23 17:45	10837	Ash-Elec2,Ash-SSElec2
10839			Confirm correct setting of protections	0.25 hrs	Mon 01/05/23 17:45	Mon 01/05/23 18:00	10838	Ash-Elec2,Ash-SSElec2
10840			Replace old trip switch and trip wire	1.5 hrs	Tue 02/05/23 07:00	Tue 02/05/23 08:30	10839	Ash-Elec2,Ash-SSElec2
10841			Service Stop/start box and contacts	0.5 hrs	Tue 02/05/23 08:30	Tue 02/05/23 09:00	10840	Ash-Elec2,Ash-SSElec2
10842			Check motor fan condition	0.5 hrs	Tue 02/05/23 09:00	Tue 02/05/23 09:30	10841	Ash-Elec2,Ash-SSElec2
10843			Check cable terminal leads for over heating	0.25 hrs	Tue 02/05/23 09:30	Tue 02/05/23 09:45	10842	Ash-Elec2,Ash-SSElec2
10844			Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 09:45	Tue 02/05/23 10:00	10843	Ash-Elec2,Ash-SSElec2
10845			Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 10:00	Tue 02/05/23 10:15	10844	Ash-Elec2,Ash-SSElec2
10846			Clear permit	0.25 hrs	Tue 02/05/23 10:15	Tue 02/05/23 10:30	10845	Ash-Elec2,Ash-SSElec2
10847		**42D2RF01**	**REFINED ASH TUBE CHAIN CONVEYOR1 - Carry out maintenance on electrical components**	**4.5 hrs**	**Tue 02/05/23 10:30**	**Tue 02/05/23 15:30**	**10833**	
10848			Make out permit	0.25 hrs	Tue 02/05/23 10:30	Tue 02/05/23 10:45		Ash-Elec2,Ash-SSElec2

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10849		Accept permit	0.25 hrs	Tue 02/05/23 10:45	Tue 02/05/23 11:00	10848	Ash-Elec2,Ash-SSElec2
10850		Carry out electrical isolation	0.25 hrs	Tue 02/05/23 11:00	Tue 02/05/23 11:15	10849	Ash-Elec2,Ash-SSElec2
10851		Check loose connections in the panel	0.25 hrs	Tue 02/05/23 11:15	Tue 02/05/23 11:30	10850	Ash-Elec2,Ash-SSElec2
10852		Check Contactor contacts connetions	0.25 hrs	Tue 02/05/23 11:30	Tue 02/05/23 11:45	10851	Ash-Elec2,Ash-SSElec2
10853		Confirm correct setting of protections	0.25 hrs	Tue 02/05/23 11:45	Tue 02/05/23 12:00	10852	Ash-Elec2,Ash-SSElec2
10854		Check under speed circuit	0.5 hrs	Tue 02/05/23 12:30	Tue 02/05/23 13:00	10853	Ash-Elec2,Ash-SSElec2
10855		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Tue 02/05/23 13:00	Tue 02/05/23 13:30	10854	Ash-Elec2,Ash-SSElec2
10856		Service Stop/start box and contacts	0.5 hrs	Tue 02/05/23 13:30	Tue 02/05/23 14:00	10855	Ash-Elec2,Ash-SSElec2
10857		Check motor fan condition	0.5 hrs	Tue 02/05/23 14:00	Tue 02/05/23 14:30	10856	Ash-Elec2,Ash-SSElec2
10858		Check cable terminal leads for over heating	0.25 hrs	Tue 02/05/23 14:30	Tue 02/05/23 14:45	10857	Ash-Elec2,Ash-SSElec2
10859		Tighten Motor connections & Gland intergrity	0.25 hrs	Tue 02/05/23 14:45	Tue 02/05/23 15:00	10858	Ash-Elec2,Ash-SSElec2
10860		Seal for Moisture and dust.	0.25 hrs	Tue 02/05/23 15:00	Tue 02/05/23 15:15	10859	Ash-Elec2,Ash-SSElec2
10861		Clear permit	0.25 hrs	Tue 02/05/23 15:15	Tue 02/05/23 15:30	10860	Ash-Elec2,Ash-SSElec2
10862	**42D2RF02**	**REFINED ASH TUBE CHAIN CONVEYOR2 - Carry out maintenance on electrical components**	**4.5 hrs**	**Tue 02/05/23 15:30**	**Wed 03/05/23 09:00**	**10847**	
10863		Make out permit	0.25 hrs	Tue 02/05/23 15:30	Tue 02/05/23 15:45		Ash-Elec2,Ash-SSElec2
10864		Accept permit	0.25 hrs	Tue 02/05/23 15:45	Tue 02/05/23 16:00	10863	Ash-Elec2,Ash-SSElec2
10865		Carry out electrical isolation	0.25 hrs	Tue 02/05/23 16:00	Tue 02/05/23 16:15	10864	Ash-Elec2,Ash-SSElec2
10866		Check loose connections in the panel	0.25 hrs	Tue 02/05/23 16:15	Tue 02/05/23 16:30	10865	Ash-Elec2,Ash-SSElec2
10867		Check Contactor contacts connetions	0.25 hrs	Tue 02/05/23 16:30	Tue 02/05/23 16:45	10866	Ash-Elec2,Ash-SSElec2
10868		Confirm correct setting of protections	0.25 hrs	Tue 02/05/23 16:45	Tue 02/05/23 17:00	10867	Ash-Elec2,Ash-SSElec2
10869		Check under speed circuit	0.5 hrs	Tue 02/05/23 17:00	Tue 02/05/23 17:30	10868	Ash-Elec2,Ash-SSElec2
10870		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Tue 02/05/23 17:30	Tue 02/05/23 18:00	10869	Ash-Elec2,Ash-SSElec2
10871		Service Stop/start box and contacts	0.5 hrs	Wed 03/05/23 07:00	Wed 03/05/23 07:30	10870	Ash-Elec2,Ash-SSElec2
10872		Check motor fan condition	0.5 hrs	Wed 03/05/23 07:30	Wed 03/05/23 08:00	10871	Ash-Elec2,Ash-SSElec2
10873		Check cable terminal leads for over heating	0.25 hrs	Wed 03/05/23 08:00	Wed 03/05/23 08:15	10872	Ash-Elec2,Ash-SSElec2
10874		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 08:15	Wed 03/05/23 08:30	10873	Ash-Elec2,Ash-SSElec2
10875		Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 08:30	Wed 03/05/23 08:45	10874	Ash-Elec2,Ash-SSElec2
10876		Clear permit	0.25 hrs	Wed 03/05/23 08:45	Wed 03/05/23 09:00	10875	Ash-Elec2,Ash-SSElec2
10877	**42D2RF03**	**REFINED ASH TUBE CHAIN CONVEYOR3 - Carry out maintenance on electrical components**	**4.5 hrs**	**Wed 03/05/23 09:00**	**Wed 03/05/23 14:00**	**10862**	
10878		Make out permit	0.25 hrs	Wed 03/05/23 09:00	Wed 03/05/23 09:15		Ash-Elec2,Ash-SSElec2
10879		Accept permit	0.25 hrs	Wed 03/05/23 09:15	Wed 03/05/23 09:30	10878	Ash-Elec2,Ash-SSElec2
10880		Carry out electrical isolation	0.25 hrs	Wed 03/05/23 09:30	Wed 03/05/23 09:45	10879	Ash-Elec2,Ash-SSElec2
10881		Check loose connections in the panel	0.25 hrs	Wed 03/05/23 09:45	Wed 03/05/23 10:00	10880	Ash-Elec2,Ash-SSElec2
10882		Check Contactor contacts connetions	0.25 hrs	Wed 03/05/23 10:00	Wed 03/05/23 10:15	10881	Ash-Elec2,Ash-SSElec2
10883		Confirm correct setting of protections	0.25 hrs	Wed 03/05/23 10:15	Wed 03/05/23 10:30	10882	Ash-Elec2,Ash-SSElec2
10884		Check under speed circuit	0.5 hrs	Wed 03/05/23 10:30	Wed 03/05/23 11:00	10883	Ash-Elec2,Ash-SSElec2
10885		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Wed 03/05/23 11:00	Wed 03/05/23 11:30	10884	Ash-Elec2,Ash-SSElec2
10886		Service Stop/start box and contacts	0.5 hrs	Wed 03/05/23 11:30	Wed 03/05/23 12:00	10885	Ash-Elec2,Ash-SSElec2
10887		Check motor fan condition	0.5 hrs	Wed 03/05/23 12:30	Wed 03/05/23 13:00	10886	Ash-Elec2,Ash-SSElec2
10888		Check cable terminal leads for over heating	0.25 hrs	Wed 03/05/23 13:00	Wed 03/05/23 13:15	10887	Ash-Elec2,Ash-SSElec2
10889		Tighten Motor connections & Gland intergrity	0.25 hrs	Wed 03/05/23 13:15	Wed 03/05/23 13:30	10888	Ash-Elec2,Ash-SSElec2
10890		Seal for Moisture and dust.	0.25 hrs	Wed 03/05/23 13:30	Wed 03/05/23 13:45	10889	Ash-Elec2,Ash-SSElec2
10891		Clear permit	0.25 hrs	Wed 03/05/23 13:45	Wed 03/05/23 14:00	10890	Ash-Elec2,Ash-SSElec2

ID	Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10892	**42D2RF04**	**REFINED ASH TUBE CHAIN CONVEYOR4 - Carry out maintenance on electrical components**	**5 hrs**	**Wed 03/05/23 14:00**	**Thu 04/05/23 08:00**	**10877**	
10893		Make out permit	0.25 hrs	Wed 03/05/23 14:00	Wed 03/05/23 14:15		Ash-Elec2,Ash-SSElec2
10894		Accept permit	0.25 hrs	Wed 03/05/23 14:15	Wed 03/05/23 14:30	10893	Ash-Elec2,Ash-SSElec2
10895		Carry out electrical isolation	0.25 hrs	Wed 03/05/23 14:30	Wed 03/05/23 14:45	10894	Ash-Elec2,Ash-SSElec2
10896		Check loose connections in the panel	0.25 hrs	Wed 03/05/23 14:45	Wed 03/05/23 15:00	10895	Ash-Elec2,Ash-SSElec2
10897		Check Contactor contacts connetions	0.25 hrs	Wed 03/05/23 15:00	Wed 03/05/23 15:15	10896	Ash-Elec2,Ash-SSElec2
10898		Confirm correct setting of protections	0.25 hrs	Wed 03/05/23 15:15	Wed 03/05/23 15:30	10897	Ash-Elec2,Ash-SSElec2
10899		Check under speed circuit	0.5 hrs	Wed 03/05/23 15:30	Wed 03/05/23 16:00	10898	Ash-Elec2,Ash-SSElec2
10900		Check, clean and repair U/S actuators and mounting bracket	0.5 hrs	Wed 03/05/23 16:00	Wed 03/05/23 16:30	10899	Ash-Elec2,Ash-SSElec2
10901		Service Stop/start box and contacts	0.5 hrs	Wed 03/05/23 16:30	Wed 03/05/23 17:00	10900	Ash-Elec2,Ash-SSElec2
10902		Make sure field stop/start are working on local	0.5 hrs	Wed 03/05/23 17:00	Wed 03/05/23 17:30	10901	Ash-Elec2,Ash-SSElec2
10903		Check motor fan condition	0.5 hrs	Wed 03/05/23 17:30	Wed 03/05/23 18:00	10902	Ash-Elec2,Ash-SSElec2
10904		Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 07:00	Thu 04/05/23 07:15	10903	Ash-Elec2,Ash-SSElec2
10905		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 07:15	Thu 04/05/23 07:30	10904	Ash-Elec2,Ash-SSElec2
10906		Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 07:30	Thu 04/05/23 07:45	10905	Ash-Elec2,Ash-SSElec2
10907		Clear permit	0.25 hrs	Thu 04/05/23 07:45	Thu 04/05/23 08:00	10906	Ash-Elec2,Ash-SSElec2
10908	**42D2RL02**	**REFINED ASH SCREW FEEDER A - Carry out maintenance on electrical components**	**3.75 hrs**	**Thu 04/05/23 08:00**	**Thu 04/05/23 11:45**	**10892**	
10909		Make out permit	0.25 hrs	Thu 04/05/23 08:00	Thu 04/05/23 08:15		Ash-Elec2,Ash-SSElec2
10910		Make out permit	0.25 hrs	Thu 04/05/23 08:15	Thu 04/05/23 08:30	10909	Ash-Elec2,Ash-SSElec2
10911		Accept permit	0.25 hrs	Thu 04/05/23 08:30	Thu 04/05/23 08:45	10910	Ash-Elec2,Ash-SSElec2
10912		Carry out electrical isolation	0.25 hrs	Thu 04/05/23 08:45	Thu 04/05/23 09:00	10911	Ash-Elec2,Ash-SSElec2
10913		Check loose connections in the panel	0.25 hrs	Thu 04/05/23 09:00	Thu 04/05/23 09:15	10912	Ash-Elec2,Ash-SSElec2
10914		Check Contactor contacts/soft starter connetions	0.25 hrs	Thu 04/05/23 09:15	Thu 04/05/23 09:30	10913	Ash-Elec2,Ash-SSElec2
10915		Confirm correct setting of protections	0.25 hrs	Thu 04/05/23 09:30	Thu 04/05/23 09:45	10914	Ash-Elec2,Ash-SSElec2
10916		Service Stop/start	0.5 hrs	Thu 04/05/23 09:45	Thu 04/05/23 10:15	10915	Ash-Elec2,Ash-SSElec2
10917		Check motor fan condition	0.5 hrs	Thu 04/05/23 10:15	Thu 04/05/23 10:45	10916	Ash-Elec2,Ash-SSElec2
10918		Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 10:45	Thu 04/05/23 11:00	10917	Ash-Elec2,Ash-SSElec2
10919		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 11:00	Thu 04/05/23 11:15	10918	Ash-Elec2,Ash-SSElec2
10920		Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 11:15	Thu 04/05/23 11:30	10919	Ash-Elec2,Ash-SSElec2
10921		Clear permit	0.25 hrs	Thu 04/05/23 11:30	Thu 04/05/23 11:45	10920	Ash-Elec2,Ash-SSElec2
10922	**42D2RL03**	**REFINED ASH SCREW FEEDER B - Carry out maintenance on electrical components**	**3.75 hrs**	**Thu 04/05/23 11:45**	**Thu 04/05/23 16:00**	**10908**	
10923		Make out permit	0.25 hrs	Thu 04/05/23 11:45	Thu 04/05/23 12:00		Ash-Elec2,Ash-SSElec2
10924		Make out permit	0.25 hrs	Thu 04/05/23 12:30	Thu 04/05/23 12:45	10923	Ash-Elec2,Ash-SSElec2
10925		Accept permit	0.25 hrs	Thu 04/05/23 12:45	Thu 04/05/23 13:00	10924	Ash-Elec2,Ash-SSElec2
10926		Carry out electrical isolation	0.25 hrs	Thu 04/05/23 13:00	Thu 04/05/23 13:15	10925	Ash-Elec2,Ash-SSElec2
10927		Check loose connections in the panel	0.25 hrs	Thu 04/05/23 13:15	Thu 04/05/23 13:30	10926	Ash-Elec2,Ash-SSElec2
10928		Check Contactor contacts/soft starter connetions	0.25 hrs	Thu 04/05/23 13:30	Thu 04/05/23 13:45	10927	Ash-Elec2,Ash-SSElec2
10929		Confirm correct setting of protections	0.25 hrs	Thu 04/05/23 13:45	Thu 04/05/23 14:00	10928	Ash-Elec2,Ash-SSElec2
10930		Service Stop/start	0.5 hrs	Thu 04/05/23 14:00	Thu 04/05/23 14:30	10929	Ash-Elec2,Ash-SSElec2
10931		Check motor fan condition	0.5 hrs	Thu 04/05/23 14:30	Thu 04/05/23 15:00	10930	Ash-Elec2,Ash-SSElec2
10932		Check cable terminal leads for over heating	0.25 hrs	Thu 04/05/23 15:00	Thu 04/05/23 15:15	10931	Ash-Elec2,Ash-SSElec2
10933		Tighten Motor connections & Gland intergrity	0.25 hrs	Thu 04/05/23 15:15	Thu 04/05/23 15:30	10932	Ash-Elec2,Ash-SSElec2

ID		Asset code	Task Name	Duration	Start	Finish	Predecessors	Resource Names
10934			Seal for Moisture and dust.	0.25 hrs	Thu 04/05/23 15:30	Thu 04/05/23 15:45	10933	Ash-Elec2,Ash-SSElec2
10935			Clear permit	0.25 hrs	Thu 04/05/23 15:45	Thu 04/05/23 16:00	10934	Ash-Elec2,Ash-SSElec2
10936			Ash Bagging and Storage Maintenance Complete	0 hrs	Sun 07/05/23 12:43	Sun 07/05/23 12:43	10190,105	
10937			SHUTDOWN MAINTENANCE COMPLETE	0 hrs	Sun 14/05/23 18:00	Sun 14/05/23 18:00	345,2478,4	
10938			PLANT START-UP PLAN	0 hrs	Sun 14/05/23 18:00	Sun 14/05/23 18:00	10937	