



Test Sheet Info			
Template:	MASTERPACT M	Test Sheet Type:	Customer
Service Type:	Site Service	Market:	Sugar
Service Date:	29 Jan 2022	Last Service:	31 Jan 2021
		Next Service:	29 Jan 2023

Customer Info	
Company Name:	RCL FOODS Sugar and Milling Pty Lt
End User Name:	Amos Matingane
End User Tel No:	013 791 1000
End User Fax No:	013 790 0769
End User Cell:	

Location Info	
Location:	PONGOLA
Plant:	RCL FOODS
Substation:	REFINED CENTRIFUGAL
Panel:	BROWN SUGAR MCC
Cubicle:	INCOMER FED FROM SUB 3

Machine Details			
Serial No:	A.17.01.95	Internal Serial No:	S000418
Manufacturer/Make:	Merlin Gerin	Maintenance Interval:	Annual
Series/Range:	Masterpact M	Condition Before Service:	3 - Equip Would Function Correctly
Model:	N1 .	Condition After Service:	3 - Equip Would Function Correctly
FrameSize:	1250A		
CT Size/Amps:	1250A		
Fault Level:	40 KA		
Voltage:	525 V		
Protection Release:	ST208D		
No Of Poles:	3		
Fixed Or Drawout:	Draw-out		
Equipment Type:	LV Current Tech ACB		

Voltages	
Geared Motor Mech:	\
Closing Release:	\
Impulse Opening Release:	\
Permanent Opening Release:	\
Under Voltage Release:	\
Time Delay Under Voltage Release:	\

Service Info			
Dismantled By:	Noel	Date:	29 Jan 2022
Cleaned By:	Noel	Date:	29 Jan 2022
Assembled By:	Noel	Date:	29 Jan 2022
Inspected By:	Noel	Date:	29 Jan 2022
Environment Condition:			
Air Conditioned:	<input type="checkbox"/>		

Additional Comments	
CRADLE SERVICED. ALL TESTS PASSED	

Custom fields specific to this Test / Machine (according to Template)			
Long time (lo)	N/A	Fault Selection (V)	N/A
Long time fine setting (lr)	0.5	Ammeter (I)	N/A
Long time delay (tr)	N/A	Communication (Com)	N/A
Short time (lm)	8	Battery back up (PIL)	N/A
Short time delay (*tm)	N/A	Mechanical interlock	N/A
Instantaneous (I)	N/A	Push button locking	N/A
Earth fault (lh)	N/A	Ronis	N/A
Earth fault delay (th)	N/A	Breaker mismatch	N/A
		Counter (CDM)	N/A
		PF contact	N/A
		Aux contacts	N/A
Load shedding (lc1)	N/A	Aux power supply	N/A
Load shedding (lc2)	N/A	Neutral CT	N/A
Zone Selection (Z)	N/A	Connection type top	HORIZONTAL
Fault indications (F)	N/A	Connection type bottom	HORIZONTAL

Test No	Test Description / Question	Condition "As Found"	Condition "On Completion"	Result Value	Result Notes	Fault Logged
Clean / Lubricate						
14	Mechanism linkages Lubricated	Pass	Pass			<input type="checkbox"/>
46	Stubs cleaned and greased	Pass	Pass			<input type="checkbox"/>
Elect accessories						
28	Test auxiliary contacts on release block - check fault trip auxiliary SDE	Pass	Pass			<input type="checkbox"/>
29	Test motor mechanism will charge the spring mechanism	N/A	N/A			<input type="checkbox"/>
30	Test de-energised under voltage or time delayed under voltage release will block breaker closing.	N/A	N/A			<input type="checkbox"/>
31	Test under voltage release will energise	N/A	N/A			<input type="checkbox"/>
32	Test under voltage release will trip breaker	N/A	N/A			<input type="checkbox"/>
33	Test time Delay Under voltage release will energise	N/A	N/A			<input type="checkbox"/>
34	Test time Delay Under voltage release will trip breaker	N/A	N/A			<input type="checkbox"/>
35	Test closing release will close breaker	N/A	N/A			<input type="checkbox"/>
36	Test opening release will open breaker	N/A	N/A			<input type="checkbox"/>
37	Test additional auxiliary contacts	N/A	N/A			<input type="checkbox"/>
38	Check moving aux racking contacts	Pass	Pass			<input type="checkbox"/>
39	Test 'ready-to-close' PF contact	N/A	N/A			<input type="checkbox"/>
40	Check control wiring / connections	Pass	Pass			<input type="checkbox"/>
Insulation						
16	Check all mouldings and plastic barriers for defects	Pass	Pass			<input type="checkbox"/>
47	Insulation test phase to phase	Pass	Pass			<input type="checkbox"/>
48	Insulation test phase to Earth	Pass	Pass			<input type="checkbox"/>
Labels						
1	S' number engraved on inside of handle and label glued to outside of handle	Pass	Pass			<input type="checkbox"/>
44	On / Off - charged / discharged - racked in / racked out labels	Pass	Pass			<input type="checkbox"/>
45	AMJ service label	Pass	Pass			<input type="checkbox"/>
Mech accessories						
2	Check operations counter and record reading before and after.	Pass	N/A			<input type="checkbox"/>
20	Check mismatch protection	N/A	N/A			<input type="checkbox"/>
21	Check mechanical interlock	N/A	N/A			<input type="checkbox"/>
25	Visual inspection of accessories / trip unit prior to assemble					<input type="checkbox"/>
27	All components reassembled and checked - Nuts and bolts checked					<input type="checkbox"/>
42	Ronis lock - Test off position locking	N/A	N/A			<input type="checkbox"/>
43	Test Push button locking device	N/A	N/A			<input type="checkbox"/>
Mechanical						
11	Check closing latch - 1/2 moon	Pass	Pass			<input type="checkbox"/>
12	Check open latch - 1/2 moon	Pass	Pass			<input type="checkbox"/>
13	Check mechanism and linkages - circlips, pivot points, split pins	Pass	Pass			<input type="checkbox"/>
15	Check Trip bar operation	Pass	Pass			<input type="checkbox"/>
18	General condition of plating of steel components	Pass	Pass			<input type="checkbox"/>
19	Test pre-trip interlock	Pass	Pass			<input type="checkbox"/>
26	Check arc chutes	Pass	Pass			<input type="checkbox"/>
Power Circuit						
3	Resistance - Red Phase (Micro-ohm's) - complete before and after service	Pass	Pass			<input type="checkbox"/>
4	Resistance - Neutral (Micro-ohm's)- complete before and after service	N/A	N/A			<input type="checkbox"/>
5	Resistance - white Phase (Micro-ohm's)- complete before and after service	Pass	Pass			<input type="checkbox"/>

Test No	Test Description / Question	Condition "As Found"	Condition "On Completion"	Result Value	Result Notes	Fault Logged
6	Resistance - blue Phase (Micro-ohm's)- complete before and after service	Pass	Pass			<input type="checkbox"/>
17	General condition of Silver plating	Pass	Pass			<input type="checkbox"/>
22	Check open contact gap	Pass	Pass			<input type="checkbox"/>
23	Check contact wear	Pass	Pass			<input type="checkbox"/>
24	Check simultaneous closing	Pass	Pass			<input type="checkbox"/>
Protection						
7	Resistance of CT's- red Phase - cross check CT size to trip unit	Pass	Pass			<input type="checkbox"/>
8	Resistance of CT's- white Phase - cross check CT size to trip unit	Pass	Pass			<input type="checkbox"/>
9	Resistance of CT's- blue Phase - cross check CT size to trip unit	Pass	Pass			<input type="checkbox"/>
10	Resistance of CT's- neutral - cross check CT size to trip unit	N/A	N/A			<input type="checkbox"/>
41	Check all protection as per test sheet	Pass	Pass			<input type="checkbox"/>
49	Check all settings are recorded & put back to original on completion	Pass	Pass			<input type="checkbox"/>

Spares Required