

Test Bay Checklist
Project No.: _____

Site: _____

Date: _____

1	Confirm that the correct product drawings are used		
2	Check quality manufactured		
3	Confirm ratings to be tested		
4	Check water level		
5	Add inhibitor to cooling system where applicable (10% anti-freeze by volume)		
6	Check oil level (on maximum mark)		
7	Adjust oil make-up tank		
8	Check all gate valves		
9	Tighten all hose clamps		
10	Check "V" belt tension		
11	Check magnetic pickup locknut and plugs		
12	Check heater connections		
13	Adjust heater thermostat to 55° C		
14	Check terminal connections on engine control panel and governor.		
15	Check cable connections on battery and starter motor		
16	Check if correct lugs (HD 70) and boots are fitted		
17	Check cable connections on alternator		
18	Check cable connections in control panel		
19	Check terminal connections in control panel		
20	Check dummy load connections		
21	Check auxiliary supply	R/N	Volt
		Y/N	Volt
		B/N	Volt
22	Check mains sensing supply	R/N	Volt
		Y/N	Volt
		B/N	Volt
24	Check mains phase rotation (Cross out appropriate block)	Clockwise	
		Anti-clockwise	
25	Zero all indicating meters		
26	Switch on auxiliary supply circuit breaker		
27	Check operation of engine heater		
28	Check operation of battery charger		
29	Check adjustments of fuel solenoid		
30	Check adjustments (mechanical) of electronic governor		
31	Start engine in override		
32	Check correct functioning of all gauges		
33	Measure and adjust alternator Voltage to nominal value	R/N	Volt
		Y/N	Volt
		B/N	Volt

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34	Adjust alternator frequency		
	Mechanical governor (no load)	51,5 HZ	
	Electronic governor	50,0 HZ	
35	Check alternator phase rotation and correct if necessary	Clockwise	
	(Cross out appropriate block)	Anti-clockwise	
36	Program controller to requirement of drawings (To be signed off by Programmer)		
37	Test functioning of all alarms		
38	Test system with duty selector in "Manual" position		
39	Check correct functioning of all meters on switchboard		
40	Mains failure in "Auto" position		
41	Test dummy load operation		
42	Check for fuel / oil / water leaks and correct if necessary		
43	Check operation and rotation of fuel pump, correct if necessary		
44	Check water pump/s and cooling tower operation		
45	Check cooling fan/s and thermostat settings		
46	Test complete system with customer / consultant present		
47	Post test items		
	A) Genset - General quality inspection		
	B) Control panel - General quality inspection		
	C) Set CB overloads		
	D) Bypass tested		
	E) Maximum load tested		kW
	F) Update and store program changes		
	G) Heater box cover plate fitted		
	H) Cover exhaust manifold after testing		
	I) Handed drawing in for updating		
	J) Panel key and override key in panel		
	K) Final paint inspection		
	L) Switch all circuits off in panel		
48	Record running hours	:	Hours

Remarks:

	Full Name	Signature	Date
Contracts Engineer			
Responsible Tester			
Eskom Representative			
Consultant			