

Factory Acceptance Test Sheet – Emergency Power System

Date: 24/01/18. Order no: BS171157. Supplier: STEBOELECTRA To Site: VEREENIGING.

Plant			Diesel engine			Alternator			Controller		
Size	GO		kVA	Make		Make			Make		
Serial											
Type	Mobile	Canopy	Open	Serial		Model			Model		

No	Description	Chk	OK
1	Canopy	✓	✓
2	Paint	✓	✓
3	Construction	✓	✓
4	Vermin proof	✓	✓
5	Weather proof	✓	✓
6	Doors	✓	✓
7	Hinges, locking bars	✓	✓
8	Rubber seals	✓	✓
9	Danger signs	✓	✓
10	Sound level	✓	✓
11	Canopy DC light and switch	✓	✓
12	Engine and base	✓	✓
13	Baseframe construction	✓	✓
14	Anti vibration mountings	✓	✓
15	Paint	✓	✓
16	Radiator	✓	✓
17	Coolant filled (open cap)	✓	✓
18	Coolant level indicator	✓	✓
19	Oil filter	✓	✓
20	Air filter	✓	✓
21	Fuel filter	✓	✓
22	Fuel / water separator	✓	✓
23	Jacket heater	✓	✓
24	Ball valves to jacket heater	✓	✓
25	Exhaust system	✓	✓
26	Ball valve to engine sump	✓	✓
27	Fuel shut down valve	✓	✓
28	Fusible fire link	✓	✓
29	Hoses	✓	✓
30	Drip tray	✓	✓
31	Drip tray drain	✓	✓
32	DC alternator	✓	✓
33	Oil filled	✓	✓
34	Wiring and terminations	✓	✓
35	Transfer pump with non return valve, metal pipe and hose	✓	✓
36	Moving parts protected	✓	✓
37	Starter battery enclosure	✓	✓
38	Starter battery (date stamped)	✓	✓

37	Starter battery fan	✓	✓
38	Fuel tank paint	✓	✓
39	Fuel level indicator	✓	✓
40	Alternator paint	✓	✓
41	Winding insulation class (H)	✓	✓
42	Spares	✓	✓
43	Oil filter	✓	✓
44	Air filter	✓	✓
45	Fan belt	✓	✓
46	Fuses	✓	✓
47	General	✓	✓
48	Manuals	✓	✓
49	Tool box	✓	✓
50	Panel key	✓	✓
51	Labeling	✓	✓
52	Wiring diagram displayed	✓	✓
53	Control panel	✓	✓
54	Paint	✓	✓
55	Earthing on all doors	✓	✓
56	4 pole switching	✓	✓
57	Controller	✓	✓
58	Selector switch (Controller)	✓	✓
59	(Voltmeter (AC 500V) 6 pos.)	✓	✓
60	(Current meters (3 Phase))	✓	✓
61	(Frequency meter)	✓	✓
62	(Hour meter)	✓	✓
63	(Coolant temperature meter)	✓	✓
64	(Oil pressure gauge)	✓	✓
65	(Charging current meter (DC))	✓	✓
66	Contactors/ Change over	✓	✓
67	Circuit breakers	✓	✓
68	Wiring	✓	✓
69	DC light	✓	✓
70	Battery charger set to 60%	✓	✓
71	Panel and gauge lights	✓	✓
72	Emergency stop button	✓	✓
73	Alarms and tests	✓	✓
74	Electrical fuel pump operation	✓	✓
75	Charger failure (SF)	✓	✓
76	Unit not in AUTO (SF)	✓	✓

73	Remote start operation	✓	✓
74	Mains failure (MF)	✓	✓
75	Standby running (SR)	✓	✓
76	High engine temperature (SF)	✓	✓
77	Low coolant level (SF)	✓	✓
78	Low oil pressure (SF)	✓	✓
79	Engine overspeed (SF)	✓	✓
80	Engine underspeed (SF)	✓	✓
81	Over voltage (SF)	✓	✓
82	Under voltage (SF)	✓	✓
83	Low fuel level (LF)	✓	✓
84	Emergency stop activated (SF)	✓	✓
85	3 Start attempts (SF)	✓	✓
86	Earth leakage (mains 30 mA)	✓	✓
87	Earth leakage (alt. 30 mA)	✓	✓
88	Overload: Plant	✓	✓
89	Overload: Mains	✓	✓
90	Engine speed (1500 rpm)	✓	✓
91	Dummy load operational	✓	✓
92	Full load capabilities	✓	✓
93	Overload capabilities - 1 hour @ 10%	✓	✓
94	Output voltage 400 V	✓	✓
95	Output frequency 50 Hz	✓	✓
96	Change over 3 sec	✓	✓
97	Cooldown period 60 sec	✓	✓
98	Bypass switch operation	✓	✓
99	Fluid leaks after test run	✓	✓
100	Alarm NC relay outputs	✓	✓
101	Mains failure - MF	✓	✓
102	Standby running - SR	✓	✓
103	Low fuel level - LF	✓	✓
104	Standby Failure - SF	✓	✓

No	Remark	OK	No	Remark	OK
1	1 HOUR LOAD TEST L1-N 230	✓		TEMP	96 C°
2	VOLTS L2-N 230	✓		OIL	2,3 BAR
3	AMP'S L3-N 230	✓			
4	AMP'S L1 50A	✓			
5	L2 82A	✓			
6	L3 81A	✓			

Client STEBOELECTRA			Manufacturer	
Name	Section	Section	Name	Sign
Sign	Tel no			
	082 775 9000			