

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9698 CE: No

RATED OUTPUT	KVA	650	RATING CLASSIFICATION	PRP	
	KW	520			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	938			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			E.C.U.	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERUINS	BUILD NUMBER	JCBFS119
ENGINE MODEL	2800A - B18TAG2A	SERIAL NUMBER	U15923U
ALTERNATOR MAKE	WBECL - ALTE		
ALTERNATOR MODEL	E0040 - 2L	SERIAL NUMBER	0001381399
CONTROL PANEL(S)	AVD SMT	SERIAL NUMBER(S)	
SWITCHGEAR	—	SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	100	50.0	400	751	520	1	1	5.6
standby/ prime+10%	110%	50.0	400	825	572	89	1	4.2

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

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AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

(UNITS WITH ACOUSTIC CANOPIES ONLY & MEASURED UNDER TEST BAY CONDITIONS AT 75% LOAD IN ACCORDANCE WITH ISO8528-10)

AMBIENT TEST CONDITIONS		FUEL/OIL USED	
ALTITUDE (M)	Sea Level	FUEL SPEC	BS2869A2
BAROMETRIC PRESSURE (kpa)	101.4	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	22	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	53	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE		CONTROL PANEL(S)	
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TESTED BY

I. JOHNSON

DATE 26/07/2010