

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EQ911 CE: NO

RATED OUTPUT	KVA	500	RATING CLASSIFICATION	PMP	
	KW	440			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	722			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			E.C.U.	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERMINS	BUILD NUMBER	MCRFS120
ENGINE MODEL	2506A-B15TA42	SERIAL NUMBER	U18752U
ALTERNATOR MAKE	MECL-ATB	SERIAL NUMBER	0001418068
ALTERNATOR MODEL	BCD40-3S/4		
CONTROL PANEL(S)	AVD SMART	SERIAL NUMBER(S)	
SWITCHGEAR	—	SERIAL NUMBER(S)	

### LOAD TEST RESULTS (AT UNITY POWER FACTOR)

TYPE	LOAD		HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
	%								
load acceptance	60		50.0	400	347	240	—	—	5.4
standby/ prime+10%	110%		50.0	400	639	440	88	—	4.4

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)	100.0	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	14	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	94	LUB OIL SPEC	Multigrade

### WIRING DIAGRAMS:

ENGINE	2000 Diagram	CONTROL PANEL(S)	09-162200
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TESTED BY

I. JOHNSON

DATE 04/10/2010