

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9727 CE: 100

RATED OUTPUT	KVA	250	RATING CLASSIFICATION	PRP	
	KW	200			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	380			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ECM	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	WGHE7004
ENGINE MODEL	1306C-E87TAGG	SERIAL NUMBER	N10055u
ALTERNATOR MAKE	Merc Alte	SERIAL NUMBER	A1093046
ALTERNATOR MODEL	ECO 38-1LN/4	SERIAL NUMBER(S)	
CONTROL PANEL(S)	Autostart	SERIAL NUMBER(S)	
SWITCHGEAR	ATS	SERIAL NUMBER(S)	

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

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	36%	50.0	380	109	72	33	-	4.2
standby/ prime+10%	110%	50.0	380	334	220	92	-	3.4

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP  
85

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)	101.2	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	17	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	77	LUB OIL SPEC	Multigrade

### WIRING DIAGRAMS:

ENGINE	06-136000	CONTROL PANEL(S)	09-166400
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TESTED BY

H.W.A.

DATE 22/07/2010