

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: EA845 CE: No

RATED OUTPUT	KVA	200	RATING CLASSIFICATION	PRP	
	KW	160			
	PHASE	3			
	VOLTS	415/240		PERFORMANCE CLASS	G1
	AMPS	279			
	HZ	50			
	RPM	1500	(AS DEFINED BY ISO 8528-1)		
GOVERNOR TYPE		ECM	COOLING METHOD	WATERCOOLED	

ENGINE MAKE	Perkins	BUILD NUMBER	W55360
ENGINE MODEL	1306C-E87TAG3	SERIAL NUMBER	N1560624
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	UCR 274H	SERIAL NUMBER	0269549/004
CONTROL PANEL(S)	Manual start	SERIAL NUMBER(S)	
SWITCHGEAR		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	45%	50.0	415	100	72	38	—	4.2
standby/ prime+10%	110%	50.0	415	245	176	89	—	3.4

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP

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)	27	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	45	LUB OIL SPEC	Multigrade

### WIRING DIAGRAMS:

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

H. Wal

DATE 9/07/2010