

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9846 CE: No

RATED OUTPUT	KVA	250	RATING CLASSIFICATION	PRP	
	KW	200			
	PHASE	3			
	VOLTS	415/240		PERFORMANCE CLASS	G1
	AMPS	348			
	HZ	50			
	RPM	1500	(AS DEFINED BY ISO 8528-1)		
GOVERNOR TYPE	ECM				COOLING METHOD

ENGINE MAKE	Perkins	BUILD NUMBER	QGHF7004
ENGINE MODEL	1306C-E87TAG6	SERIAL NUMBER	N10082U
ALTERNATOR MAKE	Stamford	SERIAL NUMBER	0269568/003
ALTERNATOR MODEL	UCF 274K	SERIAL NUMBER(S)	
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 DEG C	OIL TEMP DEG C	OIL PRESS BAR
load acceptance	36%	50.0	415	100	72	36	—	4.4
standby/ prime+10%	110%	50.0	415	306	220	90	—	3.3

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 (%)	42	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

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

H. Wal

DATE 09/02/2010