

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9812 CE: No

RATED OUTPUT	KVA	600	RATING CLASSIFICATION	PRP	
	KW	480			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	912			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ECM	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	JGAF5099
ENGINE MODEL	2806A-E18TAGIA	SERIAL NUMBER	U163414
ALTERNATOR MAKE	Standard	SERIAL NUMBER	0269609/002
ALTERNATOR MODEL	HCI 544E	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	100%	50.0	380	729	480	28	-	5.5
standby/ prime+10%	110%	50.0	380	802	528	89	-	4.1

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

WIRING DIAGRAMS:	
ENGINE 2000 Diagram	CONTROL PANEL(S) 09-162200

TESTED BY H. Wal

DATE 04/08/2010