

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9887 CE: No

RATED OUTPUT	KVA	65	RATING CLASSIFICATION	PRP	
	KW	52			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1 <small>(AS DEFINED BY ISO 8528-1)</small>
	AMPS	99			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE	Mechanical		COOLING METHOD	WATERCOOLED	

ENGINE MAKE	Perkins	BUILD NUMBER	RSS1276
ENGINE MODEL	1104A-44T61	SERIAL NUMBER	U513129U
ALTERNATOR MAKE	Stamford	SERIAL NUMBER	0269491/021
ALTERNATOR MODEL	UCI 224F	SERIAL NUMBER(S)	
CONTROL PANEL(S)	Autostart	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	100%	50.3	380	79	52	—	—	6.2
standby/ prime+10%	110%	50.0	380	87	57	84	—	4.5

GENERATING SET ENCLOSURE MECHANICAL PROTECTION IP
 AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M) 75
(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)	101.3	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	12	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	94	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:			
ENGINE	06-130700	CONTROL PANEL(S)	10-173300
			10-170300

TESTED BY *H. Wal*

DATE 30/09/2010