

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9749 CE: No

RATED OUTPUT	KVA	180	RATING CLASSIFICATION	PRP	
	KW	144			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	260			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ECM	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Volvo	BUILD NUMBER	869867
ENGINE MODEL	TAD 732 GE	SERIAL NUMBER	S3 10865593
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	UCS 274G	SERIAL NUMBER	0269542/006
CONTROL PANEL(S)	Autostart	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	50%	50.0	400	104	72	23	—	6.2
standby/ prime+10%	110%	50.0	400	229	158	88	—	4.2

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)	101.5	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	18	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	64	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE EDC 4	CONTROL PANEL(S) Am3 - 9860

TESTED BY: H. Wal

DATE: 03/08/2010