

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9888/6 CE: NO

RATED OUTPUT	KVA	340	RATING CLASSIFICATION	PMP	
	KW	272		PERFORMANCE CLASS	G1
	PHASE	3			(AS DEFINED BY ISO 8528-1)
	VOLTS	220/127			
	AMPS	892			
	HZ	60			
	RPM	1800			
GOVERNOR TYPE	E.C.U.		COOLING METHOD		

ENGINE MAKE	VOLVO	BUILD NUMBER	8269273
ENGINE MODEL	TAD941GE	SERIAL NUMBER	7089177846
ALTERNATOR MAKE	STANFORD	SERIAL NUMBER	0269570/009
ALTERNATOR MODEL	HCR464D	SERIAL NUMBER(S)	
CONTROL PANEL(S)	AVD SMT	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			357	136	✓	—	7.2
standby/ prime+10%	110%	60.0	220	785	299		—	

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)	102.2	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	12	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	67	LUB OIL SPEC	Multigrade

### WIRING DIAGRAMS:

ENGINE		CONTROL PANEL(S)	10 - 170400
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TESTED BY I. JOHNSON

DATE 13/10/2010