

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: B9889 CE: NO

RATED OUTPUT	KVA	340	RATING CLASSIFICATION	PPP	
	KW	272			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	517			
	HZ	60			
RPM	1800				
GOVERNOR TYPE			E.C.U.	COOLING METHOD	WATERCOOLED

ENGINE MAKE	VOLVO	BUILD NUMBER	869273
ENGINE MODEL	TAD941GE	SERIAL NUMBER	7009179457
ALTERNATOR MAKE	SPRANFORD		
ALTERNATOR MODEL	HC8444D (WDRU)	SERIAL NUMBER	0273182/001
CONTROL PANEL(S)	AVPOSMA	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	60	60.0	380	248	163	—	—	7.2
standby/ prime+10%	110%	60.0	380	455	299	82	—	6.5

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP
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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)	

TESTED BY

E. JOHNSON

DATE 13/10/2010