

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9725 CE: NO

RATED OUTPUT	KVA	250	RATING CLASSIFICATION	Pnp	
	KW	200			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	361			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			COOLING METHOD		
E.C.U.			WATERCOOLED		

ENGINE MAKE	VOLVO	BUILD NUMBER	869369
ENGINE MODEL	TAD734GE	SERIAL NUMBER	5310972484
ALTERNATOR MAKE	STAMFORD	SERIAL NUMBER	0269565/013
ALTERNATOR MODEL	UCD 274K		
CONTROL PANEL(S)	AVD SDAIT	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	144	100	—	—	5.8
standby/ prime+10%	110%	50.0	400	318	220	86	—	5.4

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)	100.4	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	23	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	47	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	EMS 2	CONTROL PANEL(S)	10-170/400
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TESTED BY I. JOHNSON

DATE 21/09/2010