

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: ES750 CE: NO

RATED OUTPUT	KVA	138	RATING CLASSIFICATION	PRP	
	KW	140.4			
	PHASE	3			
	VOLTS	400		PERFORMANCE CLASS	61
	AMPS	138			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			COOLING METHOD	WATERCOOLED	

ENGINE MAKE	PERKINS	BUILD NUMBER	4051440
ENGINE MODEL	1006 TAG	SERIAL NUMBER	U9-17422U
ALTERNATOR MAKE	STAMFORD		
ALTERNATOR MODEL	VCI 274E	SERIAL NUMBER	0269526/009
CONTROL PANEL(S)	AUTO - START	SERIAL NUMBER(S)	
SWITCHGEAR		SERIAL NUMBER(S)	

### LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	65	500	400	103.5	71.7	—	—	5.1
standby/ prime+10%	110%	50	400	175.2	121.4	82	—	4.0

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)	1023	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	15	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	34	LUB OIL SPEC	Multigrade

### WIRING DIAGRAMS:

ENGINE	09-160900	CONTROL PANEL(S)	10-170800 AMB-093A
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TESTED BY

*L. Zambelli*

DATE

03/09/2010