

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9674 CE: NO

RATED OUTPUT	KVA	100	RATING CLASSIFICATION	PRP	
	KW	80			
	PHASE	3			
	VOLTS	415/240		PERFORMANCE CLASS	G1
	AMPS	139			
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ELECTRONIC		
COOLING METHOD			WATERCOOLED		

ENGINE MAKE	PERKINS	BUILD NUMBER	RJS1437
ENGINE MODEL	1104C-44TA2	SERIAL NUMBER	U507768U
ALTERNATOR MAKE	STANFORD	SERIAL NUMBER	0269506/020
ALTERNATOR MODEL	UC2274C		
CONTROL PANEL(S)	MANUAL START	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	75	50.0	415	86	60	—	—	5.6
standby/ prime+10%	110%	50.0	415	122	88	85	—	4.0

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

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(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)	99.9	DENSITY	0.84 kg/l	
TEMPERATURE (Deg c)	23	CALORIFIC VALUE	42.5 MJ/kg	
HUMIDITY (%)	53	LUB OIL SPEC	Multigrade	

### WIRING DIAGRAMS:

ENGINE	06-133000	CONTROL PANEL(S)	10-170800
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TESTED BY

I. JOHNSON

DATE 15/07/2010