

## Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9772 CE: No

RATED OUTPUT	KVA	11.5	RATING CLASSIFICATION	PRP	
	KW	9.2			
	PHASE	1			
	VOLTS	230		PERFORMANCE CLASS	G1
	AMPS	50			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1800			
GOVERNOR TYPE			Mechanical	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	GK65597
ENGINE MODEL	403D-15G	SERIAL NUMBER	U594771T
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	BCF184E	SERIAL NUMBER	0248117/033
CONTROL PANEL(S)	None	SERIAL NUMBER(S)	
SWITCHGEAR		SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)									
TYPE	LOAD		HZ	VOLTS	AMPS	KW	ENGINE TEMP DEG C	OIL TEMP DEG C	OIL PRESS BAR
	%								
load acceptance	80%		51.0	230	32	7.4	—	—	5.2
standby/ prime+10%	110%		50.0	230	44	10.1	83	—	4.9

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)	101.5	DENSITY	0.84 kg/l	
TEMPERATURE (Deg c)	23	CALORIFIC VALUE	42.5 MJ/kg	
HUMIDITY (%)	57	LUB OIL SPEC	Multigrade	

WIRING DIAGRAMS:			
ENGINE	08-152300	CONTROL PANEL(S)	Term Block

TESTED BY H. Wall

DATE 27/07/2010