Generating Set Functional Test Report
In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9693 CE: No

RATED OUTPUT	KVA	275	RATING CLASSIFICATION	ESP
	KW	220		
	PHASE	3		
	VOLTS	400/230	PERFORMANCE CLASS	G1
	AMPS	397	(AS DEFINED BY ISO 8528-1)	
	HZ	50		
	RPM	1500		
GOVERNOR TYPE		ECM	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	WGHF7004
ENGINE MODEL	1306C-E87TAG6	SERIAL NUMBER	N100910
ALTERNATOR MAKE	Stamford		
ALTERNATOR MODEL	UCD274K	SERIAL NUMBER	0267549/006
CONTROL PANEL(S)	Autostart	SERIAL NUMBER(S)	
SWITCHGEAR	ATS	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	36%	50.0	400	114	79	49	—	4.6
standby/	1.0%	50.0	400	350	242	90	—	3.3

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)	24	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	61	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE		CONTROL PANEL(S)	AM3-ATS
			09-166400

TESTED BY H. Wal

DATE 07/07/2010