

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9720 CE: NO

RATED OUTPUT	KVA	160	RATING CLASSIFICATION	ESP	
	KW	128			
	PHASE	3			
	VOLTS	400/230		PERFORMANCE CLASS	G1
	AMPS	231			(AS DEFINED BY ISO 8528-1)
	HZ	50			
	RPM	1500			
GOVERNOR TYPE			ELECTRONIC	COOLING METHOD	WATERCOOLED

ENGINE MAKE	PERKINS	BUILD NUMBER	YDS1441
ENGINE MODEL	1006 TAG2	SERIAL NUMBER	U906618T
ALTERNATOR MAKE	MECL-ALTE		
ALTERNATOR MODEL	BCP34-2L	SERIAL NUMBER	A1090413
CONTROL PANEL(S)	AVIOT STANDT	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	50	50.0	400	92	64	—	—	4.7
standby/ prime+10%	110%	50.0	400	185	128	84	—	4.2

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)	102.0	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	20	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	73	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:	
ENGINE	09-160900
CONTROL PANEL(S)	Am3-986F

TESTED BY: I. JOHNSON DATE: 19/07/2010