

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER:

E9810/1

CE:

NO

RATED OUTPUT	KVA	135	RATING CLASSIFICATION	PAP	
	KW	108			
	PHASE	3			
	VOLTS	380/220		PERFORMANCE CLASS	G1
	AMPS	205			
	HZ	50			
	RPM	1800			
GOVERNOR TYPE			ELECTRONIC		
COOLING METHOD			WATERCOOLED		

ENGINE MAKE	PEMEXINS	BUILD NUMBER	YDS1440
ENGINE MODEL	LOD6TAG	SERIAL NUMBER	U911813T
ALTERNATOR MAKE	STAMFORD	SERIAL NUMBER	0269528/026
ALTERNATOR MODEL	UCB274E	SERIAL NUMBER(S)	
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	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	65	50.0	380	107	70	—	—	5.0
standby/ prime+10%	110%	50.0	380	180	119	82	—	3.9

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)	100.9	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	17	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	51	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

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

I. JOHNSON

DATE

05/08/2010

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER:

E9810/2

CE:

NO

RATED OUTPUT	KVA	<u>135</u>	RATING CLASSIFICATION	<u>PRP</u>	
	KW	<u>108</u>			
	PHASE	<u>3</u>			
	VOLTS	<u>380/220</u>		PERFORMANCE CLASS	<u>G1</u>
	AMPS	<u>205</u>		(AS DEFINED BY ISO 8528-1)	
	HZ	<u>50</u>			
	RPM	<u>1500</u>			
GOVERNOR TYPE	<u>ELECTRONIC</u>		COOLING METHOD	<u>WATERCOOLED</u>	

ENGINE MAKE	<u>PENKINS</u>	BUILD NUMBER	<u>YDS1440</u>
ENGINE MODEL	<u>10D6TAG</u>	SERIAL NUMBER	<u>U911764T</u>
ALTERNATOR MAKE	<u>STAMFORD</u>		
ALTERNATOR MODEL	<u>UCR274E</u>	SERIAL NUMBER	<u>0269528/023</u>
CONTROL PANEL(S)	<u>MANUAL START</u>	SERIAL NUMBER(S)	
SWITCHGEAR	<u>—</u>	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	<u>65</u>	<u>50.0</u>	<u>380</u>	<u>107</u>	<u>70</u>	<u>—</u>	<u>—</u>	<u>5.1</u>
standby/ prime+10%	<u>110%</u>	<u>50.0</u>	<u>380</u>	<u>180</u>	<u>119</u>	<u>81</u>	<u>—</u>	<u>4.0</u>

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)	<u>Sea Level</u>	FUEL SPEC	<u>BS2869A2</u>
BAROMETRIC PRESSURE (kpa)	<u>101.0</u>	DENSITY	<u>0.84 kg/l</u>
TEMPERATURE (Deg c)	<u>18</u>	CALORIFIC VALUE	<u>42.5 MJ/kg</u>
HUMIDITY (%)	<u>56</u>	LUB OIL SPEC	<u>Multigrade</u>

WIRING DIAGRAMS:

ENGINE	<u>09-160900</u>	CONTROL PANEL(S)	<u>10-170800</u>
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TESTED BY

I. JOHNSON

DATE

05/08/2010