

ISO 8528-6 Standard Functional Test Report

DQCS000001

Model: DGPS 70 ST EUO
Serial N. 129580

Report No. 0440/2026

1. TECHNICAL DATA

Rated Power STB: 68,8 KVA
Rated Voltage: 400 V
Rated Frequency: 50 Hz
Performance Class: G2

Rated Current: 99,3 A
Rated Power Factor (cosf): 0,8

2. DETAILS OF RIC ENGINE

Manufacturer: Perkins
Model: 1104A-44TG1
Serial Number: RS51276U742606J
No. of cylinders and configuration: 4L
Coolant type: Havoline XLC 50/50
Manuf. Decl. power @ engine speed (Pr/Stby kW): 58,4/64,3
Type of starting system:
Speed governor: Mechanic

3. DETAILS OF GENERATOR

Manufacturer: Stamford
Model: S1L2Y1
Serial Number: G25L525406
Rated Output in kVA: 68,8
Type of construction:
Type of protection: IP 23
Coupling: SAE 3/11,5

4. CONTROL CARD

Brand and model: DSE 6120 MKIII
Serial No.: 11354016

5. FURTHER DATA

Battery: Varta D52
Energy efficiency: 12V 60 Ah
Oil spec: Euromax 15W/40

6. GENERAL INSPECTION CHECK LIST

Completeness of the item supplied and to be tested:
Functional operations of the auxiliary equipment supplied:
Tightness of pipework joints and components:
Operating and monitoring functions:
Degree of protection as described in IEC 60034-5 and IEC 60947-1:

OK	
IP	44

7. MEASURED DATA

7.1 Test Site Conditions

Altitude m: 450
Barometric pressure hPa: 1011
Ambient Temperature °C: 19

Relative humidity: 59%
Inlet Air Temperature °C: 19
Inlet Coolant Temperature °C: 76

7.2 Fuel Specifications

Type (spec no.): Diesel B
Density: 0,85

Lower calorific value: 35,86 MJ/l
Tank capacity: 168 l

7.3 Electrical values during the test

Power (%)	Voltage (V)	Frequency (Hz)	Current (A)	Coolant temp. (°C)
0	400	50,7	0	76
25	400	50,4	18	81
50	401	50,2	36	82
75	401	50	54	83
100	401	49,7	72	84
110	400	49,6	79	86

No. of phases: 3
Power factor (cosf): 1

Rate of change of frequency setting: 1
Rate of voltage: 1

DAGAR TECHNOLOGIES, S.L.
Pol. Centrovía c/La Habana 27
50196 La Muela (Zaragoza) SPAIN

Inspector no.: 166
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