

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10600

Received at London Office

18 JUL 1927

Date of writing Report 12th July 27 When handed in at Local Office

Port of

AMSTERDAM

No. in Survey held at AMSTERDAM

Date, First Survey 11th Febr. '25 Last Survey 6th Dec. 1926.

Reg. Book.

Number of Visits 19

Single  
on the Twin  
Triple  
Quadruple

Screw vessel

"SPONDILUS"

Tons { Gross -  
Net -

Built at Rotterdam

By whom built Maatschappij Fyenoord

Yard No 303

When built 1927.

Owners Anglo-Saxon Petroleum Co.

Port belonging to -

Oil Engines made at Amsterdam

By whom made Werkspoor

Contract No. -

When made 1926.

Generators made at -

By whom made -

Contract No. -

When made -

No. of Sets 1

Engine Brake Horse Power 150 Nom. Horse Power as per Rule 42. Total Capacity of Generators - Kilowatts.

OIL ENGINES, &c.—Type of Engines One 4 S.C.S.A. 3 cyl. Diesel engine 4 stroke cycle Single or double acting

Maximum pressure in cylinder 38 kg/cm<sup>2</sup> Diameter of cylinders 320 mm Length of stroke 450 mm No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 430 mm Is there a bearing between each crank Yes

Revolutions per minute 250 Flywheel dia. 1600 mm Weight 3640 kg Means of ignition Self ignition Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule 185 mm as fitted 185 mm Crank pin dia. 185 mm Crank Webs Mid. length breadth 290 mm Mid. length thickness 100 mm Thickness parallel to axis 100 mm Thickness around eyehole Solid

Flywheel Shaft, diameter as per Rule 6 as fitted 6 Intermediate Shafts, diameter as per Rule 6 as fitted 6 Thickness of cylinder liners 6

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Gears Means of lubrication forced lubrication

Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes

Cooling Water Pumps, No. 2 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size 2

Air Compressors, No. 1 No. of stages 2 Diameters 60-200 mm Stroke 210 mm Driven by Shaft

Scavenging Air Pumps, No. 2 Diameter 60 mm Stroke 210 mm Driven by Shaft

AIR RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes

Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces With Steam

Is there a drain arrangement fitted at the lowest part of each receiver Yes

High Pressure Air Receivers, No. 1 Cubic capacity of each 60 L Internal diameter 244 mm thickness 12 mm

Seamless, lap welded or riveted longitudinal joint Monometallic Material Steel Range of tensile strength 28/35 tons Working pressure by Rules approx.

Starting Air Receivers, No. 2 Total cubic capacity 120 L Internal diameter 60 mm thickness 6 mm

Seamless, lap welded or riveted longitudinal joint 2 Material 2 Range of tensile strength 2 Working pressure by Rules 2

ELECTRIC GENERATORS:—Type Used for driving Auxiliary air Compressor

Pressure of supply 6 volts. Load 6 Amperes. Direct or Alternating Current 6

If alternating current system, state frequency of periods per second 6

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off 6

Generators, do they comply with the requirements regarding rating 6 are they compound wound 6

are they over compounded 5 per cent. 6, if not compound wound state distance between each generator 6

is an adjustable regulating resistance fitted in series with each shunt field 6 Are all terminals accessible, clearly marked, and furnished with sockets 6

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched 6 Are the lubricating arrangements of the generators as per Rule 6

PLANS. Are approved plans forwarded herewith for Shafting Receiver 24-12-24. Separate Tanks 6

SPARE GEAR

Plans. See list attached.

WERKSPoor

pp G. J. Huyl.

The foregoing is a correct description,

Manufacturer.



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