

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10600

Received at London Office 18 JUL 1927

Date of writing Report 12th July 1927 When handed in at Local Office 19 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

on the <sup>Single</sup> ~~Twin~~ ~~Triple~~ ~~Quadruple~~ Screw vessel "SPONDILUS" Tons <sup>Gross</sup> - <sub>Net</sub> -

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 30 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

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 Thickness parallel to axis 100 mm  
Mid. length thickness 100 mm shrunk Thickness around eye hole Solid

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

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

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

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

Lubricating Oil Pumps, No. and size

Air Compressors, No. 1 No. of stages 2 Diameters 100-200 mm Stroke 210 mm Driven by Shaft

Scavenging Air Pumps, No.  Diameter  Stroke  Driven by

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

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

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

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  Material Steel Range of tensile strength 28/32 tons Working pressure by Rules

Starting Air Receivers, No.  Total cubic capacity  Internal diameter  thickness

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

ELECTRIC GENERATORS:—Type Used for driving Auxiliary air Compressor

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

If alternating current system, state frequency of periods per second

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

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

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

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

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

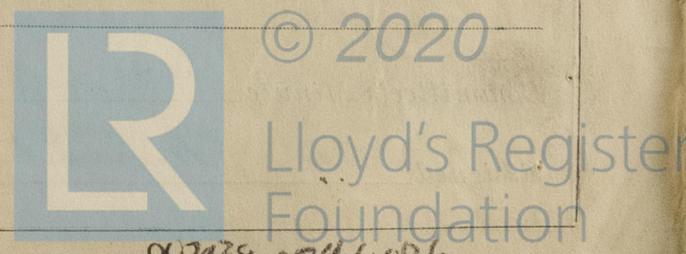
PLANS. Are approved plans forwarded herewith for Shafting  Receivers  Separate Tanks

SPARE GEAR (If not, state date of approval) 24-12-24. See letter P.

Plans. See list attached.

X WERKSPoor  
pp G. J. Huyl.  
The foregoing is a correct description,

Manufacturer.



007938-00446-0126

40

Dates of Survey while building

During progress of work in shops - -	12/5/25	8/26/25	14/9/25	20/10/25	14/11/25	19/12/25	14/1/26	11/2/26	30/3/26	9/4/26	31/4/26	7/5/26	8/5/26	9/5/26	3/6/26	8/6/26	14/6/26	12/1926
	During erection on board vessel - - -																	

Total No. of visits 19

Dates of Examination of principal parts—Cylinders 14/25 - 26/26 Covers - Pistons 14/25 - 26/26 Piston rods -

Connecting rods 5/25 - 26/26 Crank and Flywheel shaft 30/3 - 10/26 Intermediate shaft -

Crank and Flywheel shaft, Material Steel Identification Mark 26.2.26 Intermediate shafts, Material - Identification Marks

Is this machinery duplicate of a previous case Yes If so, state name of vessel M.V. Goldenmouth. Amal Ref. N: 10540

General Remarks (State quality of workmanship, opinions as to class, &c.)

The engine has been built under special survey, in accordance with the approved plan, Secretary's letters and Rules, workmanship good engine tried on test bed under full working conditions and good. Plans have been forwarded to Rotterdam, to be placed in the M.V. Spondilus Yard nr: 305. Feymoed.

1m, 726—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Fee ... .. £	:	When applied for,	19.....
Travelling Expenses (if any) £	:	When received,	19.....

P. A. Beumer  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 7 OCT 1927

Assigned See Minute on Rot R/V  
16809 attached

