

RECEIVED

27 JUN 1947

Rpt. 142

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 16334

Date of writing Report 13 June 1947 When handed in at Local Office 19 Port of Amsterdam Received at London Office 24 JUN 1947

No. in Survey held at Roengelo Date, First Survey 3 May 1946 Last Survey 5 June 1947

Reg. Book. Roengelo Number of Visits 4

Single on the Twin Triple Quadryple Screw vessel Contact Yacht van der Oberg. Tons Gross 115 Net 115

Built at Scheffdam By whom built Milton Pycroft Yard No. 715 When built 1947

Owners Comite' Onze Machine Port belonging to Roengelo

Oil Engines made at Roengelo By whom made Gebro. Stork & Co Contract No. 4603 When made 1947

Generators made at Roengelo By whom made Gebro. Stork & Co Contract No. 4603 When made 1947

No. of Sets 1 Engine Brake Horse Power 32 Nom. Horse Power as per Rule 8 Total Capacity of Generators 8 Kilowatts.

OIL ENGINES, &c.—Type of Engines 9 3 x 150 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 55 kg/cm<sup>2</sup> Diameter of cylinders 150 mm Length of stroke 105 mm No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 1000 mm Is there a bearing between each crank No

Revolutions per minute 000 Flywheel dia. 950 mm Weight 325 kg Means of ignition Compression Kind of fuel used Diesel Oil

Crank Shaft, dia. of journals 90 mm as per Rule 90 mm Crank pin dia. 90 mm Crank Webs 115 mm Mid. length breadth 115 mm Thickness parallel to axis shrunk

Flywheel Shaft, diameter 90 mm as per Rule 90 mm Intermediate Shafts, diameter 90 mm as per Rule 90 mm Mid. length thickness 50 mm Thickness round eyehole 50 mm

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

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. 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Lubricating Oil Pumps, No. and size 1 Is the sea suction provided with an efficient strainer which can be cleared within the vessel yes

Air Compressors, No. 1 No. of stages 1 Diameters 17 cm Stroke 17 cm Driven by motor

Scavenging Air Pumps, No. 1 Diameter 17 cm Stroke 17 cm Driven by motor

R RECEIVERS:—Have they been made under Survey yes State No. of Report or Certificate 21-2-47

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 brush

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

High Pressure Air Receivers, No. 1 Cubic capacity of each 1000 dm<sup>3</sup> Internal diameter 150 mm thickness 10 mm

Seamless, lap welded or riveted longitudinal joint yes Material steel Range of tensile strength 40-50 kg/cm<sup>2</sup> Working pressure by Rules 10 kg/cm<sup>2</sup>

Starting Air Receivers, No. 1 Total cubic capacity 1000 dm<sup>3</sup> Internal diameter 150 mm thickness 10 mm

Seamless, lap welded or riveted longitudinal joint yes Material steel Range of tensile strength 40-50 kg/cm<sup>2</sup> Working pressure by Rules 10 kg/cm<sup>2</sup>

ELECTRIC GENERATORS:—Type alternating

Pressure of supply 220 volts. Full Load Current 36 Amperes. Direct or Alternating Current Alternating

Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown on and off yes

Generators, are they compounded as per Rule yes is an adjustable regulating resistance fitted in series with each shunt field yes

Are all terminals accessible, clearly marked, and furnished with sockets yes Are they so spaced yes

Are the generators under 100 kw. full load rating, have the makers supplied certificates of test yes and do the results comply with the requirements yes

Are the generators 100 kw. or over have they been built and tested under survey yes

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

(If not, state date of approval) 20-2-47

PARE GEAR

The foregoing is a correct description,

Machinefabriek GEBR. STORK &amp; Co

Manufacturer.



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Lloyd's Register  
Foundation

010727.011733.0116



March 27  
Dates of Survey while building { During progress of work in shops - - 1946 May 2-16 June 6-20; 1947 Jan 3 - May 29 June 5  
During erection on board vessel - - -  
Total No. of visits 7

Dates of Examination of principal parts—Cylinders 27-3-46 Covers 27-3-46 Pistons 27-3-46 Piston rods  
Connecting rods 27-3-46 Crank and Flywheel shafts Intermediate shafts

Crank shaft { Material V. M. Steel Tensile strength 97.469  
Elongation 10 diam: x 100 in. = 14% Identification Marks LLOYD'S No 10724 P.K.1-3-40

Flywheel shaft, Material Identification Marks

Is this machinery duplicate of a previous case Identification Marks

Identification marks on Air Receivers

Is this machinery duplicate of a previous case If so, state name of vessel

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The motor has been constructed under Special Survey in accordance with approved plans. Secretary's letters and Society's rules. material tested and workmanship throughout good. The motor tested on makers test bench and found in order. The motor is shipped to Schiedam and is intended to be fitted aboard M/V Wilton. F. Genova yard no 715

The amount of Fee ... £ : : When applied for 19  
On Main Engine report  
Travelling Expenses (if any) £ : : When received 19  
Committee's Minute  
Assigned

