

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15033B

Date of writing Report 17 April 1939 When handed in at Local Office

Received at London Office

No. in Survey held at Hoengelo

Port of Amsterdam

JUN 21 1939

Reg. Book.

Date, First Survey 13-7-37

Last Survey 4th Nov 1939

Number of Visits 5

Single
on the Twin
Triple
Quadruple

Screw vessel Mr. V. "Pendrecht"

Built at Rotterdam

By whom built Messrs Rot. Dredgemaatschappij Yard No. 212 When built 1939

Owners M. V. Stoomvaart Maatschappij "De Maas"

Port belonging to Rotterdam

Oil Engines made at Hoengelo

By whom made Mach. Fabr. Gebr. Stork Contract No. 4198 When made 1938

Generators made at Odense

By whom made Thomas B. Thøgers Contract No. When made 1938

No. of Sets 1 Engine Brake Horse Power 25

Nom. Horse Power as per Rule 6.8 Total Capacity of Generators 16 Kilowatts.

OIL ENGINES, &c.—Type of Engines Stork Ganz motor 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 42 kg/cm² Diameter of cylinders 150 mm Length of stroke 185 mm No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 377 mm

Revolutions per minute 650 Flywheel dia. 1050 mm Weight 370 kg Is there a bearing between each crank ✓

Crank Shaft, dia. of journals as per Rule 440 mm Crank pin dia. 90 mm Crank Webs Mid. length breadth 115 mm Kind of fuel used Diesel Oil

Flywheel Shaft, diameter as per Rule 90 mm Intermediate Shafts, diameter as per Rule 70 mm Thickness parallel to axis shrunk

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 no Are the exhaust pipes and silencers water cooled or lagged with non-conducting material ✓

Cooling Water Pumps, No. 1 Centrifugal pump cap: 70 liters per mnt Is the sea suction provided with an efficient strainer which can be cleared within the vessel ✓

Lubricating Oil Pumps, No. and size 1 tooth wheel pump cap: 13 liters per mnt

Air Compressors, No. No. of stages Diameters Stroke Driven by

Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Have they been made under Survey ✓ State No. of Report or Certificate

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

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

High Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength 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 C.F. 18

Pressure of supply 110 volts. Full Load Current 146 Amperes. Direct or Alternating Current Direct current

If alternating current system, state the periodicity ✓ Has the Automatic Governor been tested and found efficient when the whole 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 or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule ✓

If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test Yes and do the results comply with the requirements Yes

If the generators are 100 kw. or over have they been built and tested under survey ✓

PLANS. Are approved plans forwarded herewith for Shafting 4/5/38 Receivers ✓ Separate Tanks ✓

SPARE GEAR As per rule

The foregoing is a correct description,
MACHINEFABRIEK GEBR. STORK & CO. N.V.

J. A. M. M. M.

Manufacturer.



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Foundation

W1155-0139

Dates of Survey while building { During progress of work in shops - - 13-5-37; 15-7-37; 17-10-38; 2-11-38; 4-11-38;
During erection on board vessel - - -
Total No. of visits 5

Dates of Examination of principal parts—Cylinders 15/7/37 Covers 15/7/37 Pistons 27/10/38 Piston rods ✓

Connecting rods 27/10/38 Crank and Flywheel shafts 13/5/37 - 27/10/37 Intermediate shafts ✓

Crank and Flywheel shafts, Material *S. M. Steel* Identification Marks *LLLOYD'S
No 10197
P.K. 13-5-38.*

Intermediate shafts, Material ✓ 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. *This auxiliary engine has been constructed under special Survey in accordance with the Society's rules, approved plan and Secretary letters.*

The material used in the construction was found to be good and the workmanship satisfactory.

The auxiliary engine has been tested on makers test bench under full load and was found working satisfactorily.

This engine is in my opinion suitable to be placed on board the vessel built by Elzevier Kotters damse Drogdoh Maatschappij Yard No 212 for the purpose intended.

The amount of Fee ... £

Travelling Expenses (if any) £

When applied for,

19

When received,

19

H. Gray
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

FRI 30 JUN 1939

See H.E. machy rpl



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