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# REPORT ON OIL ENGINE MACHINERY.

No. 1674  
19 JAN 1935

Received at London Office

Writing Report 24.12.34 When handed in at Local Office 27.12.34 Port of Bremen

Survey held at Lugoburg Date, First Survey 15th May 1934 Last Survey 24th December 1934  
Number of Visits 130

Single }  
on the Twin } Screw vessel  
Triple }  
Quadruple }

Tons } Gross  
Net

at Hamburg By whom built Deutsche Werft A.G. Yard No. 156 When built 1934/35

as made at Lugoburg By whom made Masch-Fabrik Lugoburg-Linberg A.G. Engine No. 350/70 When made 1934

Boilers made at By whom made Boiler No. When made

Horse Power 2700 normal 3500 overcharged Owners Niederlandische Indische Taak Stoomboot Mij Port belonging to Rotterdam

Horse Power as per Rule 502 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

for which vessel is intended 25 3/16 55 1/8

ENGINES, &c. Type of Engines 1\* K8V65/140 2 or 4 stroke cycle 4 Single or double acting single

Pressure in cylinders 45 atm when overcharged Diameter of cylinders 650 mm Length of stroke 1400 mm No. of cylinders 8 No. of cranks 8

Indicated Pressure 7.3 atm normal 8.5 atm overcharged bearings, adjacent to the Crank, measured from inner edge to inner edge 844 mm Is there a bearing between each crank yes

Revolutions per minute 110 normal 120 overcharged Flywheel dia. 2100 mm Weight 5500 kg Means of ignition direct ign. Kind of fuel used Gas oil on test bed

Shaft, dia. of journals as per Rule as fitted 460 mm Crank pin dia. 460 mm Crank Webs Mid. length breadth 870 mm Thickness parallel to axis 267/290 mm shrunken Mid. length thickness 267/290 mm Thickness around eyehole 204 mm

Propeller Shaft, diameter as per Rule as fitted 460 mm Intermediate Shafts, diameter as per Rule as fitted Thrust Shaft, diameter at collar as per Rule as fitted

Shaft, diameter as per Rule as fitted Screw Shaft, diameter as per Rule as fitted Is the { tube } shaft fitted with a continuous liner { screw }

Liners, thickness in way of bushes as per Rule as fitted Thickness between bushes as per rule as fitted Is the after end of the liner made watertight in the

boss If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

Does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

When liners are fitted, is the shaft lapped or protected between the liners Is an approved Oil Gland or other appliance fitted at the after end of the tube

If so, state type Length of Bearing in Stern Bush next to and supporting propeller

Propeller, dia. Pitch No. of blades Material whether Moveable Total Developed Surface sq. feet

Means of reversing Engines direct, by means of compressed air Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes Means of lubrication Exhaust pipe, and oilers

Thickness of cylinder liners 45 mm Are the cylinders fitted with safety valves yes Are the exhaust pipes and oilers water cooled or lagged with

Insulating material If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine

Water Pumps, No. 1 rotary type pump for cylinder cooling (bearing) 250 l/h at 825 rpm Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Pumps worked from the Main Engines, No. 1 rotary 1 rotary Diameter type Pump 35 l/h at 825 rpm Can one be overhauled while the other is at work yes cannot can be overhauled

connected to the Main Bilge Line } No. and Size } How driven }

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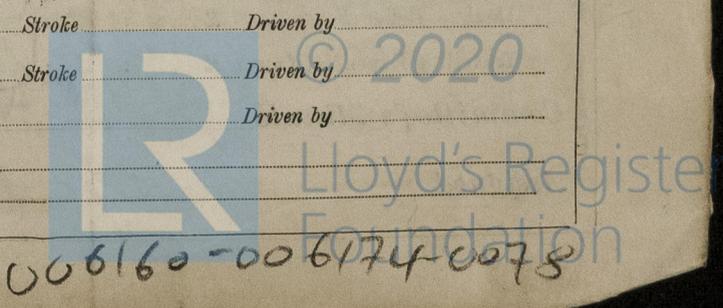
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