

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

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Date of writing Report 5. 9. 1929 When handed in at Local Office 5. 9. 1929 Port of MIDDLESBROUGH
 No. in Survey held at MIDDLESBROUGH Date, First Survey 7 February Last Survey 4. 9. 1929
 Reg. Book. 41653 Sup. on the sc. "OUSEBRIDGE" (Number of Visits 5.8)
 Built at Hawerton Hill By whom built Furness S.B. Co. Yard No. 146 Tons { Gross 5601
 Engines made at Middlebrough By whom made Richardson, Wetgait & Co. Engine No. 2580 When built 1929 Net 3533
 Boilers made at do. By whom made do. Boiler No. 2580 when made 1929
 Registered Horse Power 477.8 Owners North of England S.S. Co. Ltd. Port belonging to do.
 Nom. Horse Power as per Rule 477.8 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted Yes
 Trade for which Vessel is intended do.

ENGINES, &c.—Description of Engines Triple Expansion Revs. per minute 67
 Dia. of Cylinders 27" 44" 73" Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 13.86 Crank pin dia. 14 1/2" Crank webs Mid. length breadth 22" Thickness parallel to axis 9"
 as fitted 14 1/2" Mid. length thickness 9" shrunk Thickness around eye-hole 6 1/4"
 Intermediate Shafts, diameter as per Rule 13.2 Thrust shaft, diameter at collars as per Rule 13.86
 as fitted 13 1/2" as fitted 14 1/2"
 Tube Shafts, diameter as per Rule 14.7 Screw Shaft, diameter as per Rule 15 1/2" Is the tube shaft fitted with a continuous liner { Yes
 as fitted 14 1/2" as fitted 15 1/2" Is the screw shaft fitted with a continuous liner { Yes
 Bronze Liners, thickness in way of bushes as per Rule 3/4 Thickness between bushes as per Rule 9/16 Is the after end of the liner made watertight in the
 as fitted 13/16 as fitted 5/8 propeller boss Yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Yes
 If 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 Yes
 If two liners are fitted, is the shaft lapped or protected between the liners Yes Is an approved Oil Gland or other appliance fitted at the after
 end of the tube shaft no Length of Bearing in Stern Bush next to and supporting propeller 5-2 1/4"
 Propeller, dia. 18'-0" Pitch 17'-6" No. of Blades 4 Material C. Iron whether Moveable no Total Developed Surface 101 sq. feet
 Feed Pumps worked from the Main Engines, No. 2 Diameter 3 1/2" Stroke 27" Can one be overhauled while the other is at work Yes
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 27" Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size 2-9 1/2" x 10" C.M.E.W. 51-7-5 1/2" Duplex 65 Pumps connected to the { No. and size 1-9" x 10" x 10" Duplex
 How driven Steam Main Bilge Line How driven Steam
 Ballast Pumps, No. and size 1-9" x 10" x 10" Lubricating Oil Pumps, including Spare Pump, No. and size 1-7"
 Are two independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps;—In Engine and Boiler Room 4-3"; 1-3" Tunnel well & 2-2 1/2" 6 Dry Tank
 In Holds, &c. No 1: 2-3"; No 2: 2-3 1/2"; No 3: 2-8"; No 4: 1-3"

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-5" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 1-5" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes
 Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes
 Are all Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks both
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Overboard Discharges above or below the deep water line above
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes
 What Pipes pass through the bunkers Forward Suctions How are they protected Wood ceiling
 What pipes pass through the deep tanks Yes Have they been tested as per Rule Yes
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
 Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces or from one
 compartment to another Yes Is the Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from E.R. level

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 6728 sq. ft.
 Is Forced Draft fitted Yes No. and Description of Boilers 3 S.B. Working Pressure 180 lbs
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes
 IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? Yes

PLANS. Are approved plans forwarded herewith for Shafting Yes Main Boilers 11. 1. 29 Auxiliary Boilers Yes Donkey Boilers Yes
 (If not state date of approval)
 Superheaters Yes General Pumping Arrangements 17-1-29 Oil fuel Burning Piping Arrangements Yes

SPARE GEAR. State the articles supplied:— As per Rule + 1 propeller; 1 propeller shaft.

The foregoing is a correct description.
 FOR RICHARDSON, WETGART & CO. LIMITED

Frederick J. M. Jones
 MANAGING DIRECTOR

Manufacturer.



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