

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report 23rd April 1946. When handed in at Local Office 27th April 1946. Port of Greenock.
 No. in Survey held at Greenock Date, First Survey 9th August 1946. Last Survey 26th April 1946
 Reg. Book. on the "Empire Lola" Single Sc. Lug (Number of Visits 26) Tons { Gross 294.62
 Built at Greenock By whom built George Brown & Co (Marine) Ltd. Yard No. 236 When built 1946
 Engines made at Greenock By whom made Rankin & Blackmore Engine No. 516 When made 1946
 Boilers made at Greenock By whom made Rankin & Blackmore Boiler No. 516 When made 1946
 Registered Horse Power ☒ Owners Ministry of War Transport Port belonging to Greenock
 Nom. Horse Power as per Rule 155 154 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes.
 Trade for which Vessel is intended Lowering purposes.

Revs. per minute 120
 ENGINES, &c.—Description of Engines Single expansion
 Dia. of Cylinders 15 25 1/2 42 Length of Stroke 27 No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 8.048 Crank pin dia. 8 1/4 Crank webs Mid. length breadth shrunk Thickness parallel to axis 5 1/2
 as fitted 8 1/4 Mid. length thickness Thickness around eye-hole 3 5/8
 Intermediate Shafts, diameter as per Rule 7.66 Thrust shaft, diameter at collars as per Rule 8.048
 as fitted 8 as fitted 8 1/4
 Tube Shafts, diameter as per Rule 8.865 Is the screw shaft fitted with a continuous liner No.
 as fitted 9 1/4
 Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the
 as fitted propeller boss ☒ If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ☒
 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 ☒
 If two 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
 shaft Yes If so, state type Newark gland No 2 Length of Bearing in Stern Bush next to and supporting propeller 38
 Propeller, dia. 10' 0" Pitch 11' 6" No. of Blades 4 Material C.I. whether Moveable No. Total Developed Surface 38 sq. feet
 Feed Pumps worked from the Main Engines, No. None Diameter 3" Stroke 15" Can one be overhauled while the other is at work Yes
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 15" Can one be overhauled while the other is at work Yes
 Feed Pumps { No. and size Swain Simplex 8 1/2" x 6" x 13" Stroke Pumps connected to the { No. and size 2 M.E. Bilge pumps 1-7 1/2" x 5" x 6" 1-12" x 9" x 12"
 How driven Steam Main Bilge Line { How driven Independent Steam
 Ballast Pumps, No. and size 1-7 1/2" x 5" x 6" Stroke Lubricating Oil Pumps, including Spare Pump, No. and size None
 Are two independent means arranged for circulating water through the Oil Cooler ☒ Suctions, connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps;—In Engine and Boiler Room 4-2 1/2" In Holds, &c. 1-2"
 In Pump Room ☒

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-5 1/2" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 1-3" 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 Valves
 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 None How are they protected ☒
 What pipes pass through the deep tanks ☒ Have they been tested as per Rule ☒
 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 ☒ Is it fitted with a watertight door ☒ worked from ☒

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 2400 sq. ft.
 Which Boilers are fitted with Forced Draft Yes Which Boilers are fitted with Superheaters ☒
 No. and Description of Boilers One cylindrical Working Pressure 200 lbs. sq. in.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes
 IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? ☒
 Can the donkey boiler be used for domestic purposes only ☒

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

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes
 State the principal additional spare gear supplied As specification

The foregoing is a correct description.

RANKIN & BLACKMORE LTD.

DIRECTOR.

Manufacturer.



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Foundation

