

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

16 MAY 1934

Date of writing Report 19 When handed in at Local Office 8.5.1934 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 11.5.33 Last Survey 5.5.1934
 Reg. Book. on the new steel ship "ARGOW?" (Number of Visits 71)
 Built at Port Glasgow By whom built Lithgow & Co. Yard No. 366 Tons { Gross 4118
 Engines made at Glasgow By whom made David Rowan & Co. Ltd. Engine No. 963 Net 2479
 Boilers made at Glasgow By whom made David Rowan & Co. Ltd. Boiler No. 963 When built 1934
 Registered Horse Power Owners Argow Shipping Co. Ltd. Port belonging to London
 Nom. Horse Power as per Rule 352 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Triple expansion Revs. per minute 78
 Dia. of Cylinders 21 1/4" 31" 62" Length of Stroke 42" No. of Cylinders 3 No. of Cranks 3
 Crank shaft, dia. of journals as per Rule 12.20" 12.27" Crank pin dia. 12 3/8" Crank webs Mid. length breadth 19" Thickness parallel to axis 7 1/8" ✓
 as fitted 12 1/4" Mid. length thickness 7 1/8" ✓ shrunk Thickness around eye-hole 5 1/8" ✓
 Intermediate Shafts, diameter as per Rule 11.62" ✓ Thrust shaft, diameter at collars as per Rule 12.20" ✓
 as fitted 11 3/4" as fitted 12 1/4" (mishell)
 Tube Shafts, diameter as per Rule 13.05" ✓ Is the { tube } shaft fitted with a continuous liner { yes
 as fitted 13 1/4" { screw }
 Bronze Liners, thickness in way of bushes as per Rule 1" ✓ Thickness between bushes as per Rule .52" ✓
 as fitted 3/4" as fitted 1/8" Is the after end of the liner made watertight in the
 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 ✓
 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. — Is an approved Oil Gland or other appliance fitted at the after end of the tube
 shaft no If so, state type — Length of Bearing in Stern Bush next to and supporting propeller 4' 5" ✓
 Propeller, dia. 17' 3" Pitch 18' 3" No. of Blades 4 Material Bronze whether Moveable no Total Developed Surface 107 sq. feet
 Feed Pumps worked from the Main Engines, No. none Diameter — Stroke — Can one be overhauled while the other is at work —
 Bilge Pumps worked from the Main Engines, No. 2 Diameter 3 3/4" Stroke 22" Can one be overhauled while the other is at work yes
 Feed { No. and size 2 @ 6" - 8 1/2" x 18" Pumps connected to the { No. and size Ballast pump
 Pumps { How driven steam Main Bilge Line { How driven steam
 Ballast Pumps, No. and size 1 @ 9" - 12 x 12 Super Lubricating Oil Pumps, including Spare Pump, No. and size —
 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" & 1 @ 2 1/2" in dry tank. ✓
 In Pump Room — In Holds, &c. No. 1 hold - 2 @ 2 3/4". No. 2 hold - 2 @ 3/4". No. 3 hold - 2 @ 2 3/4"
 No. 4 hold - 2 @ 2 3/4". Tunnel well - 1 @ 2 1/2". all fitted at Gyle.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 6" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 1 @ 4 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Gyle
 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 both ✓
 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 Gyle ✓
 What Pipes pass through the bunkers. forward hold suction How are they protected under timber boards
 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 yes Is it fitted with a watertight door yes worked from bridge deck.

MAIN BOILERS, &c.—(Letter for record (S) ✓) Total Heating Surface of Boilers 5102 sq ft ✓
 Is Forced Draft fitted yes only No. and Description of Boilers 2 SB & 1 aux Working Pressure 220 lbs ✓
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes
 IS A DONKEY BOILER FITTED? no If so, is a report now forwarded? —

Is the donkey boiler intended to be used for domestic purposes only —
 PLANS. Are approved plans forwarded herewith for Shafting no Main Boilers yes Auxiliary Boilers yes Donkey Boilers —
 (If not state date of approval)
 Superheaters — General Pumping Arrangements no Oil fuel Burning Piping Arrangements —

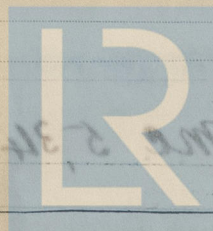
SPARE GEAR.

Has the spare gear required by the Rules been supplied yes
 State the principal additional spare gear supplied one propeller

The foregoing is a correct description,
 For David Rowan & Co. Ltd.
 Arch. H. Greenow

Manufacturer.

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