

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report 24-7-29 19 When handed in at Local Office 24-7-19 29 Port of Glasgow.
 No. in Survey held at Glasgow. Date, First Survey 27 2 29 Last Survey 11th July 1929
 Reg. Book. on the (Number of Visits 27)
 Built at Leith. By whom built H. Robb. Ltd. Yard No. 141 Tons Gross Net
 Engines made at Glasgow. By whom made Mc. Kie & Baylis Engine No. 1244. When built 1929
 Boilers made at Glasgow. By whom made A. Anderson & Son Ltd. Boiler No. 3046 when made 1929.
 Registered Horse Power 62 Owners Port belonging to
 Nom. Horse Power as per Rule 62 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
 Trade for which Vessel is intended Ferry Service Singapore.

ENGINES, &c.—Description of Engines Diagonal Compound paddle. Revs. per minute 40.
 Dia. of Cylinders 15" - 31" Length of Stroke 40" No. of Cylinders 2 No. of Cranks 2
 Crank shaft, dia. of journals as per Rule 7 1/2" Crank pin dia. 7 1/2" Crank webs Mid. length breadth 9" Thickness parallel to axis 4 5/8"
 as fitted 7 1/2" Mid. length thickness 4 5/8" shrunk Thickness around eye-hole 3 5/8"
 Paddle Intermediate Shafts, diameter as per Rule as app. Thrust shaft, diameter at collars as per Rule
 as fitted 7 1/4" - 8" as fitted
 Tube Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule as fitted Is the tube screw shaft fitted with a continuous liner
 as fitted
 Bronze 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 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
 Length of Bearing in Stern Bush next to and supporting propeller
 Propeller, dia. 10' 4 1/2" Pitch No. of Blades Material whether Moveable Total Developed Surface sq. feet
 Feed Pumps worked from the Main Engines, No. 1 Diameter 2 1/2" Stroke 10 1/2" Can one be overhauled while the other is at work
 Bilge Pumps worked from the Main Engines, No. 1 Diameter 2 1/2" Stroke 10 1/2" Can one be overhauled while the other is at work
 Feed Pumps No. and size How driven Pumps connected to the Main Bilge Line No. and size How driven
 Ballast Pumps, No. and size 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
 In Holds, &c.

Main Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes
 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
 Are all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Overboard Discharges above or below the deep water line
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
 What Pipes pass through the bunkers 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
 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 Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

MAIN BOILERS, &c.—(Letter for record 5. ✓) Total Heating Surface of Boilers 920 sq. ft. ✓
 Is Forced Draft fitted No. and Description of Boilers Two Loco Type. Working Pressure 150 lb. ✓
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? to Glasgow Report No. 49073 & 49074
 IS A DONKEY BOILER FITTED? If so, is a report now forwarded?
 PLANS. Are approved plans forwarded herewith for Shafting 4-2-29 Main Boilers Auxiliary Boilers Donkey Boilers
 (If not state date of approval)
 Superheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:— Two comm. rods crosshead bolts & nuts, 2 bottom end bolts & nuts, 2 main bearing bolts & nuts, set of coupling bolts & nuts, one set each feed & bilge pump bolts, assorted bolts & nuts, then of various sizes.

The foregoing is a correct description,

McKie & Baylis Ltd.
 & Rasthaurie

Manufacturer.



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