

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 17 SEP 1930

Date of writing Report 19 When handed in at Local Office 15. 9. 1930 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 28. 1. 30 Last Survey 11-9-1930
 Reg. Book. on the new steel S/S "MELMAY" (Number of Visits 68)
 Built at Greenock By whom built Greenock Dockyard Co Yard No. 419 When built 1930
 Engines made at Glasgow By whom made David Rowan & Co Ltd Engine No. 932 when made 1930
 Boilers made at Glasgow By whom made David Rowan & Co Ltd Boiler No. 932 when made 1930
 Registered Horse Power 25 Owners The Melmay Shipping Co. Ltd Port belonging to Glasgow
 Nom. Horse Power as per Rule 604 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Quadruple expansion Revs. per minute 88
 Dia. of Cylinders 24"-35"-51"-73" Length of Stroke 51" No. of Cylinders 4 No. of Cranks 4
 Crank shaft, dia. of journals as per Rule 14.296 Crank pin dia. 15" Crank webs Mid. length breadth 23" Thickness parallel to axis 10 1/2"
 as fitted 15" Mid. length thickness 10 1/2" shrunk Thickness around eye-hole 6 3/4"
 Intermediate Shafts, diameter as per Rule 13.615 Thrust shaft, diameter at collars as per Rule 14.296
 as fitted 14 7/8" as fitted 15" (michell)
 Tube Shafts, diameter as per Rule 15.115 Is the tube shaft fitted with a continuous liner yes
 as fitted 16 3/8" as fitted 15"
 Screw Shaft, diameter as per Rule 16 3/8" Is the screw shaft fitted with a continuous liner yes
 as fitted 16 3/8" as fitted 15"
 Bronze Liners, thickness in way of bushes as per Rule .76 Thickness between bushes as per Rule 3/4 Is the after end of the liner made watertight in the
 as fitted 13/16" as fitted 3/4" 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 Length of Bearing in Stern Bush next to and supporting propeller 5'-6"
Propeller, dia. 17'-6" Pitch 18'-0" No. of Blades 4 Material Bronze whether Moveable yes Total Developed Surface 103.5 sq. feet
Feed Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 27" Can one be overhauled while the other is at work yes
Bilge Pumps worked from the Main Engines, No. 2 Diameter 4 1/2" Stroke 27" Can one be overhauled while the other is at work yes
Feed Pumps No. and size 2 @ 10 1/2" - 8" x 22" How driven steam Main Bilge Line No. and size General Wky - 8" - 5" x 8" & Ballast pump
 How driven steam Main Bilge Line How driven steam
Ballast Pumps, No. and size 1 @ 10-12" x 12" 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 3 @ 3" also 1 @ 2" in cofferdam at fore end of boiler room tank & 1 @ 2" in cofferdam at after end of ER tank
 In Holds, &c. Fitted at Enk. complete. The following sizes taken from ships copy of pumping plan:—
 No. 1 hold - 2 @ 3" No. 2 hold - 2 @ 3" No. 3 hold - 2 @ 3" No. 4 hold - 2 @ 3" No. 5 hold - 1 @ 2 1/2"
Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 @ 10" Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 1 @ 5" & 1 @ 2 1/2" 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 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 yes
 What Pipes pass through the bunkers forward hold suction How are they protected under wood casing.
 What pipes pass through the deep tanks no deep tank 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 upper deck

MAIN BOILERS, &c.—(Letter for record (S)) Total Heating Surface of Boilers 8775 sq. ft.
 Is Forced Draft fitted yes No. and Description of Boilers 3 SB Working Pressure 225 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes
 IS A DONKEY BOILER FITTED? no If so, is a report now forwarded? —

PLANS. Are approved plans forwarded herewith for Shafting no 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. State the articles supplied:— In accordance with the Rules and in addition —
 two propeller blades

The foregoing is a correct description,
 For David Rowan & Co. Ltd
 Archd. N. Grierson

Manufacturer.



