

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office.

Date of writing Report 19 When handed in at Local Office 19 Port of
 No. in Survey held at Beccles Date, First Survey 10. 10. 44 Last Survey 2. 2. 1945.
 Reg. Book (Number of Visits 12)
 on the "V I C 55" A/MS 959 Tons { Gross 146.94
 Built at Gainsborough By whom built J.S. Watson (Gainsborough) Yard No. 1553 Net 51.67
 Engines made at Beccles By whom made Elliott & Garrood Ltd. Job No. 661 When built 1945
 Boilers made at Stockton-on-Tees. By whom made Stockton C.E. & Riley Engine No. 680 When made -do-
 Registered Horse Power - Owners Admiralty Birs. Ltd. Boiler No. 6852 Port belonging to Grimsby
 Nom. Horse Power as per Rule 24 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No
 Trade for which vessel is intended Coasting

ENGINES, &c.—Description of Engines Steam Reciprocating compound Revs. per minute 150
 Dia. of Cylinders 10 1/2 - 22" ✓ Length of Stroke 14" ✓ No. of Cylinders 2 ✓ No. of Cranks 2 ✓
 Crank shaft, dia. of journals as per Rule 4 3/8 ✓ as fitted 4 3/8 ✓ Crank pin dia. 4 3/8 ✓ Mid. length breadth - Thickness parallel to axis 2 7/8
 Intermediate Shafts, diameter as per Rule 3.93" for smooth water 4.13 for deep water ✓ as fitted 4 3/8 ✓ Thrust shaft, diameter at collars as per Rule 4.59" for smooth water ✓ as fitted 4 3/8 ✓
 Tube Shafts, diameter as per Rule - as fitted - Screw Shaft, diameter as per Rule 4 7/8 ✓ Is the { tube } shaft fitted with a continuous liner { No } ✓
 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 at Yes ✓ If so, state type Crabtree ✓ Length of Bearing in Stern Bush next to and supporting propeller 20" ✓
 Propeller, dia. 60" ✓ Pitch 86" No. of Blades 4 Material C.I. whether Moveable No Total Developed Surface 11.6 sq. feet
 Feed Pumps worked from the Main Engines, No. 1 Diameter 2 3/8 ✓ Stroke 6" ✓ Can one be overhauled while the other is at work -
 Bilge Pumps worked from the Main Engines, No. 1 Diameter 2 3/8 ✓ Stroke 6" ✓ Can one be overhauled while the other is at work -
 Feed Pumps { No. and size 1-2 3/8 x 6" 1 Pearn's 800 gal/p.h. ✓ Pumps connected to the { No. and size 1-5 1/2 x 4 3/8 x 6" 1-2 3/8 x 6" ✓
 { How driven M.E. Ind. Stm. Main Bilge Line { How driven Ind. Stm. M.E.
 Ballast Pumps, No. and size 1-5 1/2 x 4 3/8 x 6" as above ✓ 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 1-2" 1-1 1/2" ✓ In Pump Room - In Holds, &c. 1-2" ✓

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1-2" ✓ Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 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 or on robust steel boxes. ✓ 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 Yes ✓
 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. None ✓ 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 None ✓ Is it fitted with a watertight door - worked from.

MAIN BOILERS, &c.—(Letter for record S ✓) Total Heating Surface of Boilers 525 sq. ft. ✓
 Which Boilers are fitted with Forced Draft None ✓ Which Boilers are fitted with Superheaters. None ✓
 No. and Description of Boilers 1 Vertical Boilers. ✓ Working Pressure 120 lbs. ✓
 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 28.10.41 Main Boilers 30.11.43 Auxiliary Boilers 17.10.44. Donkey Boilers -
 (If not state date of approval)

Superheaters - General Pumping Arrangements 14-12-43 Oil fuel Burning Piping Arrangements -

SPARE GEAR.

Has the spare gear required by the Rules been supplied. Only Spare propeller supplied. ✓
 State the principal additional spare gear supplied.

The foregoing is a correct description.

Manufacturer.



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005826-005839-0009

Vic 55

Vic 55

See Sp. Rpt. No 112375

During progress of work in shops - - {
 Dates of Survey while building {
 During erection on board vessel - - {
 Total No. of visits. 12.

Dates of Examination of principal parts—Cylinders _____ Slides _____ Covers _____
 Pistons _____ Piston Rods _____ Connecting rods _____
 Crank shaft _____ Thrust shaft _____ Intermediate shafts _____
 Tube shaft _____ Screw shaft 10.10.44 _____ Propeller 10.10.44 _____
 Stern tube 10.10.44 _____ Engine and boiler seatings 7.12.44 _____ Engines holding down bolts 20.12.44 _____
 Completion of fitting sea connections 10.10.44 _____
 Completion of pumping arrangements 18.1.45 _____ Boilers fixed 20.12.44 _____ Engines tried under steam 17.1.45 _____
 Main boiler safety valves adjusted 17.1.45 _____ Thickness of adjusting washers P $\frac{9}{32}$ " S $\frac{5}{16}$ " _____
 Crank shaft material See Sp. Rpt. Identification Mark Report _____ Thrust shaft material No Identification Mark 112375 _____
 Intermediate shafts, material NONE Identification Marks _____ Tube shaft, material _____ Identification Mark _____
 Screw shaft, material See Sp. Rpt. Identification Mark Sp. Rpt. 112375 _____ Steam Pipes, material Copper ✓ Test pressure 450 lb Date of Test 4.1.45 _____
 Is an installation fitted for burning oil fuel NO _____ Is the flash point of the oil to be used over 150° F. ✓ 240 _____
 Have the requirements of the Rules for the use of oil as fuel been complied with ✓ _____
 Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No _____ If so, have the requirements of the Rules been complied with ✓ _____
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with ✓ _____
 Is this machinery duplicate of a previous case YES _____ If so, state name of vessel VIC 54 Hull Rpt No 52659 _____
 General Remarks (State quality of workmanship, opinions as to class, &c. with H. Bykes)

The above machinery installed in 'Vic 55' at Hull by Charles D. Holmes

Machinery tried under working conditions found satisfactory.

Eligible in our opinion to be classed

LMC 1.45. O.G.

C 2 Cy 10 $\frac{1}{2}$ " & 22" - 14" NHP 24

1 Vertical boiler 120 lb GS 25 # HS 525 #

Certificate to be sent to

The amount of Entry Fee ... £ : : When applied for,
 Balance for fitting out ... £ 6 - 16 - 0 13 FEB 1945
 Special ... £ : :
 Donkey Boiler Fee ... £ : : When received,
 Travelling Expenses (if any) £ : : 19

Committee's Minute ... FRI 9 MAR 1945

Assigned LMC 2.45 O.G.

W. S. Shields & J. Etileman
 Engineer Surveyor to Lloyd's Register of Shipping.



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