

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office. 14 FEB 1945

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 "VIC 55" A/MS 959 Tons {Gross 146.94
 {Net 51.67
 Built at Gainsborough By whom built J.S. Watson (Gainsborough) Yard No. 1553 When built 1945
 Engines made at Beccles By whom made Elliott & Garrod Ltd Engine No. 661 When made -do-
 Boilers made at Stockton-on-Tees. By whom made Stockton C.E. & Riley Boiler No. 6852 When made -do-
 Registered Horse Power... Owners Admiralty Port belonging to Grimby
 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 ✓ Crank pin dia. 4 3/8 ✓ Mid. length breadth - Thickness parallel to axis 2 7/8
 as fitted 4 3/8 ✓ Crank webs - shrunk 2
 Intermediate Shafts, diameter as per Rule 3.93" for smooth water 4.13 for deep water as per Rule 4.13 for smooth water
 as fitted - Thrust shaft, diameter at collars as fitted 4 3/8 ✓
 Tube Shafts, diameter as per Rule - Screw Shaft, diameter as fitted 4 7/8 ✓ Is the {tube screw} shaft fitted with a continuous liner {No ✓
 as fitted - as per Rule - as per Rule - 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 3/4 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 3/4 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 Boiler. ✓ 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 17.004. 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.



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..... 13.

Dates of Examination of principal parts—Cylinders..... Slides..... Covers.....
 Pistons..... Piston Rods..... Connecting rods.....
 Crank shaft..... Thrust shaft..... Intermediate shafts..... 112375
 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 9/32" S 5/16"
 Crank shaft material..... See Spowich..... 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..... Identification Mark..... Spowich..... Steam Pipes, material..... Copper..... Test pressure..... 450 lb..... Date of Test..... 4.1.45
 Report No. 112375
 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
 with H. Bykes

General Remarks (State quality of workmanship, opinions as to class, &c.....
 The above machinery installed in Vic 55 at Hull by Charles D. Hoemes
 Machinery tried under working conditions found satisfactory.
 Eligible in our opinion to be classed
 LMC 1.45. O.G.
 C 2 Cy 10 1/2" & 22" - 14" NHP 24
 1 Vertical boiler 120 lbs GS 25 # HS 525 #

The amount of Entry Fee ... £ : :
 Balance for fitting-out ... £ 6 - 16 - 0
 Special ... £ : :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, 8 FEB 1945
 When received, 19

W. S. Shields & J. Ettema
 Engineers/Surveyors to Lloyd's Register of Shipping.

Committee's Minute ... FRI 9 MAR 1945

Assigned LMC 2.45 O.G.



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Certificate to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)