

Rpt. 4.

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report 9.7.1945 When handed in at Local Office 14 AUG 1945 Port of Spaulwich
 No. in Survey held at 3/- 7- 48 Date, First Survey 16.3.45 Last Survey 12.7.1945
 Reg. Book "V.C. 63" (Number of Visits 1)
 Built at Beccles By whom built J. Rimblott & Co. Yard No. 667 When built 1945
 Engines made at Beccles By whom made Elliott & Laidlaw Ltd. Engine No. 660 When made 1945
 Boilers made at Beccles By whom made Beccles Boiler No. 660 When made 1945
 Registered Horse Power 24 Owners Ministry of War Transport Port belonging to Beccles
 Nom. Horse Power as per Rule 24 Is Refrigerating Machinery fitted for cargo purposes h Is Electric Light fitted h
 Trade for which vessel is intended Coasting

ENGINES, &c.—Description of Engines Compound Reciprocating Revs. per minute 150
 Dia. of Cylinders 10 1/2" — 22" Length of Stroke 14" No. of Cylinders Two No. of Cranks Two
 Crank shaft, dia. of journals as per Rule 4 3/8" Crank pin dia. 4 3/8" Mid. length breadth shrunk Thickness parallel to axis 2 7/8"
 Intermediate Shafts, diameter as per Rule Thrust shaft, diameter at collars as per Rule 4 3/8" Thickness around eye-hole 2"
 Tube Shafts, diameter as per Rule Screw Shaft, diameter as per Rule 4 7/8" Is the screw shaft fitted with a continuous liner h
 Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as per Rule Is the after end of the liner made watertight in the propeller boss h
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner h
 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 h
 If two liners are fitted, is the shaft lapped or protected between the liners h Is an approved Oil Gland or other appliance fitted at the after end of the tube h
 at h If so, state type h Length of Bearing in Stern Bush next to and supporting propeller 20"
 Propeller, dia. 66" Pitch 26" No. of Blades 4 Material C.I. whether Moveable h Total Developed Surface 11.6 sq. feet
 Feed Pumps worked from the Main Engines, No. 6 Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work h
 Bilge Pumps worked from the Main Engines, No. 6 Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work h
 Feed Pumps No. and size Pumps connected to the Main Bilge Line No. and size
 How driven h How driven h
 Ballast Pumps, No. and size h Lubricating Oil Pumps, including Spare Pump, No. and size h
 Are two independent means arranged for circulating water through the Oil Cooler h Suctions, connected both to Main Bilge Pumps and Auxiliary Bilge Pumps:—In Engine and Boiler Room h
 In Pump Room h In Holds, &c. h

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

MAIN BOILERS, &c.—(Letter for record h) Total Heating Surface of Boilers h
 Which Boilers are fitted with Forced Draft h Which Boilers are fitted with Superheaters h
 No. and Description of Boilers h Working Pressure h
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? h
 IS A DONKEY BOILER FITTED? h If so, is a report now forwarded? h
 Can the donkey boiler be used for other than domestic purposes h
 PLANS. Are approved plans forwarded herewith for Shafting 28-10-41 Main Boilers h Auxiliary Boilers h Donkey Boilers h
 (If not state date of approval) h
 Superheaters h General Pumping Arrangements h Oil fuel Burning Piping Arrangements h

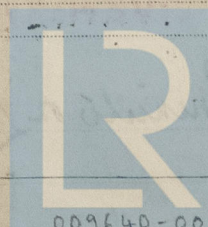
SPARE GEAR.

Has the spare gear required by the Rules been supplied h
 State the principal additional spare gear supplied h

ELLIOTT & LLOYD The foregoing is a correct description.

Beccles Iron Works, Beccles, Suffolk. Manufacturer.

BECCLES.



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Rel
22/8/45

APR 10. 17. 26
During progress of work in shops - - 16.3.45 / 24.5.45, 13.6.45, 6.7.45, 12.7.45.
Dates of Survey while building
During erection on board vessel - - -
Total No. of visits Eight (8)

Dates of Examination of principal parts—Cylinders 16.3.45, 13.6.45 Slides 24.5.45 Covers 13.6.45.
Pistons 6.7.45 Piston Rods 6.7.45 Connecting rods 6.7.45.
Crank shaft 13.6.45 Thrust shaft 13.6.45 Intermediate shafts ✓
Tube shaft ✓ Screw shaft 6.7.45 Propeller 6.7.45.
Stern tube 6.7.45 Engine and boiler seatings ✓ Engines holding down bolts ✓
Completion of fitting sea connections ✓ Boilers fixed ✓ Engines tried under steam ✓
Completion of pumping arrangements ✓ Thickness of adjusting washers ✓
Main boiler safety valves adjusted ✓ Crank shaft material Steel Identification Mark ✓ Thrust shaft material Steel Identification Mark ✓
Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material Steel Identification Mark ✓ Steam Pipes, material ✓ Test pressure ✓ Date of Test ✓
Is an installation fitted for burning oil fuel ✓ Is the flash point of the oil to be used over 150° F. ✓
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 ✓ 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 In If so, state name of vessel Yard No 666 "Vic 62"
General Remarks (State quality of workmanship, opinions as to class, &c.)

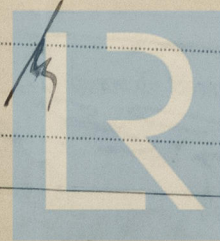
The machinery has not been constructed in accordance with the requirements of the Society's Rules but has been constructed under the supervision of the Society.
The scantlings are in accordance with the Society's Rules.
The workmanship is of good description.
The machinery, in my opinion, will be eligible for record of L.M.C. (with date) when efficiently installed on board a classed vessel.

The amount of Entry Fee ... £ : : When applied for, 4 AUG 1945
Special ... £ 8 : 0 : 0
Donkey Boiler Fee ... £ : : When received, 19
Travelling Expenses (if any) £ 1 : 19 : 7

Date LIVERPOOL 12 MAR 1946

Committee's Minute Lee Minute on Liverpool I.E. Machinery Report.

Engineer Surveyor to Lloyd's Register of Shipping.



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