

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 23225

Writing Report 25th JANUARY 1946. When handed in at Local Office 28th JANUARY 1946. Port of GREENOCK
 Received at London Office
 Survey held at GREENOCK Date, First Survey 28th JANUARY 1942 Last Survey 3rd DECEMBER 1945
 on the GREENOCK (Number of Visits 31)
 at GREENOCK By whom built GREENOCK Yard No. Tons ^{Gross} _{Net}
 was made at GREENOCK By whom made JOHN G. KINCAID & CO L^o Engine No. 739 When built 1945
 was made at do By whom made do CONTRACT N^o 269 Boiler No. 272 When made 1945
 Owners 273
 Indicated Horse Power Port belonging to
 Horse Power as per Rule 524 ✓ Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
 for which Vessel is intended Open Sea Service

ENGINES, &c.—Description of Engines Triple expansion
 of Cylinders 24 1/2" - 41" - 70" ✓ Length of Stroke 48" ✓ No. of Cylinders 3 ✓ Revs. per minute 75 ✓
 shaft, dia. of journals as per Rule 13.977 ✓ Crank pin dia. 14.25" ✓ Crank webs Mid. length breadth 1.8 1/2" ✓ No. of Cranks 3 ✓
 as fitted 14.25" ✓ Mid. length thickness 8 3/4" ✓ Thickness parallel to axis 8 3/4" ✓
 Intermediate Shafts, diameter as per Rule 13.33" ✓ Thrust shaft, diameter at collars as per Rule 13.977 ✓
 as fitted 13.625" ✓ as fitted 14.25" ✓ Thickness around eye-hole 6 3/8" ✓
 Shafts, diameter as per Rule ✓ Screw Shaft, diameter as per Rule 14.79" ✓ Is the shaft fitted with a continuous liner ✓
 as fitted ✓ as fitted 16.375" ✓ as fitted ✓
 Liners, thickness in way of bushes as per Rule .751" ✓ Thickness between bushes as per Rule .563" ✓ Is the after end of the liner made watertight in the ✓
 as fitted .875" ✓ as fitted .656" ✓
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ✓
 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 ✓
 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 ✓
No ✓ If so, state type ✓ Length of Bearing in Stern Bush next to and supporting propeller 5'-2" ✓
 Propeller, dia. 17'-6" ✓ Pitch 17'-6" No. of Blades 4 Material C1 whether Moveable ✓ Total Developed Surface 94 sq. feet ✓
 Pumps worked from the Main Engines, No. 2 ✓ Diameter 4 1/2" ✓ Stroke 24" ✓ Can one be overhauled while the other is at work ✓
 Pumps worked from the Main Engines, No. 2 ✓ Diameter 4 1/2" ✓ Stroke 24" ✓ Can one be overhauled while the other is at work ✓
 Pumps connected to the Main Bilge Line { No. and size Two 4 1/2" x 24" One 8-7 One 7-6 1/2 ✓
 How driven Steam 18" ✓ How driven ✓
 Lubricating Oil Pumps, including Spare Pump, No. and size ✓
 Two independent means arranged for circulating water through the Oil Cooler ✓
 Pumps;—In Engine and Boiler Room ✓ Suctions, connected to both Main Bilge Pumps and Auxiliary ✓
 Pump Room ✓ In Holds, &c. ✓

Water Circulating Pump Direct Bilge Suctions, No. and size ✓
 Independent Power Pump Direct Suctions to the Engine Room Bilges, ✓
 Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes ✓
 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 ✓
 All Sea Connections fitted direct on the skin of the ship ✓ Are they fitted with Valves or Cocks ✓
 They are fitted 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 ✓
 They are 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 ✓
 Pipes pass through the bunkers ✓ How are they protected ✓
 Pipes pass through the deep tanks ✓ Have they been tested as per Rule ✓
 All Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times ✓
 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 ✓

BOILERS, &c.—(Letter for record ✓) Total Heating Surface of Boilers 7563 1/2 ✓
 Boilers are fitted with Forced Draft ✓ Which Boilers are fitted with Superheaters ✓
 and Description of Boilers Three SE cylindrical ✓ Working Pressure 220 lb ✓
A REPORT ON MAIN BOILERS NOW FORWARDED? ✓
A DONKEY BOILER FITTED? ✓ If so, is a report now forwarded? ✓
 the donkey boiler be used for domestic purposes only ✓

PLANS. Are approved plans forwarded herewith for Shafting 26-9-41 Main Boilers 9-9-41 Auxiliary Boilers ✓ Donkey Boilers ✓
 (If not state date of approval) ✓
 Superheaters ✓ General Pumping Arrangements 23-10-41 Oil fuel Burning Piping Arrangements ✓
IN STEAM PIPES 28/11/41 ✓
SPARE GEAR.

the spare gear required by the Rules been supplied ✓
 the principal additional spare gear supplied ✓
See separate sheet.

The foregoing is a correct description.
 JOHN G. KINCAID & CO. LIMITED.
John G. Kincaid

Director. Manufacturer.



© 2020
 Lloyd's Register
 Foundation

004900-004905-0139

Dates of Survey while building

During progress of work in shops -- (1942) JAN. 28. MAR. 4. 11. 13. 24. APR. 2. 6. 10. MAY 6. 14. 20. JUNE 3. 4. 11. 12. 17. 21. 29. 31. AUG. 14. 21. SEPT. 14. 15. 16. 23. OCT. 1. NOV. 16. (1945) AUG. 29. OCT. 24. DEC. 3.

During erection on board vessel ---

Total No. of visits 31.

Dates of Examination of principal parts—Cylinders 21-7-42 Slides 21-7-42 Covers 21-7-42

Pistons 21-7-42 Piston Rods 16-9-42 Connecting rods 16-9-42

Crank shaft 16-9-42 Thrust shaft 16-9-42 Intermediate shafts 1-10-42

Tube shaft ✓ Screw shaft 1-10-42 Propeller 1-10-42

Stern tube 11-6-42 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 S Identification Mark LR 11273 ✓ Thrust shaft material S Identification Mark LR 11273 ✓

Intermediate shafts, material S Identification Marks LR 11273 ✓ Tube shaft, material ✓ Identification Mark ✓

Screw shaft, material S Identification Mark LR 11273 Steam Pipes, material SDS. Test pressure Date of Test

Is an installation fitted for burning oil fuel No 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 Yes If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

This engine has been built under special survey in accordance with the rules and approved plans, the materials & workmanship are sound & good. The engine complete with main & auxiliary steam pipes with flanges (loose) all valves, coak and pieces is now being shipped to Vizagapatam, India. to be fitted into a vessel to be built at that Port.

This machinery will be eligible in my opinion to have the record + LMC with date and notation screw shaft CL. 3 SBs 220 lbs / 0" FD when the installation has been completed.

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

The amount of Entry Fee ... £ 6 : 0

4/59 / 101-4 Special ... £ 80 : 19

Donkey Boiler Fee ... £ :

Travelling Expenses (if any) £ :

When applied for, 28th JAN. 1946.

When received, 19

Charles J Hunter
Engineer Surveyor to Lloyd's Register of Shipping

FRI. 4 FEB 1949

Committee's Minute GLASGOW 29 JAN 1946

Assigned Superseed for completion

