

Rpt. 4.

No. 69201.

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 11 JAN 1945

Date of writing Report 19 8-1-45 When handed in at Local Office 8-1-45 Port of Glasgow

No. in Survey held at 15-12-43 Date, First Survey 15-12-43 Last Survey 17-11-1944

Reg. Book on the Tons { Gross Net

Built at By whom built Yard No. When built

Engines made at By whom made Engine No. 1068 When made 1944

Boilers made at By whom made Boiler No. When made

Registered Horse Power Owners The Admiralty Port belonging to

Nom. Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Trade for which vessel is intended

Engines, &c.—Description of Engines Triple expansion 4 cylinders Revs. per minute 185

Dia. of Cylinders 18 1/2" 31" 38 1/2" 38 1/2" Length of Stroke 30" No. of Cylinders 4 No. of Cranks 4

Crank shaft, dia. of journals as per Rule 10 1/4" Crank pin dia. 10 1/2" Crank webs Mid. length breadth 16 3/4" Thickness parallel to axis 6 1/2" shrunk

Intermediate Shafts, diameter as per Rule Thrust shaft, diameter at collars as per Rule

Tube Shafts, diameter as fitted Screw Shaft, diameter as fitted Is the tube screw shaft fitted with a continuous liner

Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes 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 If so, state type Length of Bearing in Stern Bush next to and supporting propeller

Propeller, dia. Pitch No. of Blades Material whether Moveable Total Developed Surface sq. feet

Feed Pumps worked from the Main Engines, No. none Diameter Stroke Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No. none Diameter Stroke Can one be overhauled while the other is at work

Feed Pumps { No. and size How driven Pumps connected to the Main Bilge Line { No. and size How driven

Ballast Pumps, No. and size 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 In Holds, &c.

In Pump Room

Main Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine Room Bilges

No. and size Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

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

Are all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks

Are they fixed 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

Are they 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

What Pipes pass through the bunkers How are they protected

What pipes pass through the deep tanks 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

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 Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers

Which Boilers are fitted with Forced Draft Which Boilers are fitted with Superheaters

No. and Description of Boilers Working Pressure

IS A REPORT ON MAIN BOILERS NOW FORWARDED? If so, is a report now forwarded?

IS A DONKEY BOILER FITTED?

Can the donkey boiler be used for domestic purposes only

PLANS. Are approved plans forwarded herewith for Shafting 5-12-40 Main Boilers Auxiliary Boilers Donkey Boilers

(If not state date of approval)

Superheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

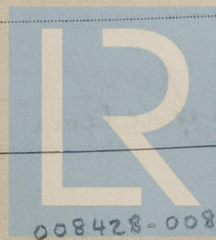
Has the spare gear required by the Rules been supplied } Yes, as per Admiralty requirements.

State the principal additional spare gear supplied

The foregoing is a correct description.

LLOYD'S & CO., LIMITED
J. Wallace

Manufacturer.



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008428-008433-012

During progress of work in shops - - { 1943 Dec 15 1944 Jan 14 Feb 17 Mar 3 12 17 21 24 30 Apr 5 18 19 May 19 Jun 20 Jul 11 19 Aug 8 18 28 29
Oct 6 Nov 15 17
Dates of Survey while building { During erection on board vessel - - -
Total No. of visits 24

Dates of Examination of principal parts—Cylinders 30-3-44 Slides 8-8-44 Covers 30-3-44
Pistons 20-6-44 Piston Rods 20-6-44 Connecting rods 28-8-44
Crank shaft 18-4-44 Thrust shaft ✓ Intermediate shafts ✓
Tube shaft ✓ Screw shaft ✓ Propeller ✓
Stern tube ✓ Engine and boiler seatings ✓ Engines holding down bolts ✓
Completion of fitting sea connections ✓
Completion of pumping arrangements ✓ Boilers fixed ✓ Engines tried under steam ✓
Main boiler safety valves adjusted ✓ Thickness of adjusting washers ✓
Crank shaft material S.M. Steel Identification Mark LSN 12602 TP Thrust shaft material ✓ Identification Mark ✓
Intermediate shafts, material ✓ Identification Marks ✓ Tube shaft, material ✓ Identification Mark ✓
Screw shaft, material ✓ 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 - See Annex 2-8
Is this machinery duplicate of a previous case Yes If so, state name of vessel Gls. Rpt. No 68693

General Remarks (State quality of workmanship, opinions as to class, &c.) This engine has been constructed in accordance with the approved plans and specifications, and as otherwise modified and approved by the Admiralty. The materials have been tested as required by the Rules, and the workmanship is good. It has been sent to storage at Salween to await installation in a vessel belonging to Messrs Harland & Wolff, Ltd.

The amount of Entry Fee ... £ : : When applied for, 9 JAN 1945
Special ... £ 22 : 10 :
Donkey Boiler Fee ... £ 22 : 10 :
Travelling Expenses (if any) £ : : When received, ADMIRALTY
19. 1. 45

Committee's Minute GLASGOW 9 JAN 1945

Assigned Defered for Completion

M. J. Brown + M. J. Hetherington
Engineer Surveyors to Lloyd's Register of Shipping.



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