

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

81 JAN 1946

Received at London Office

Date of writing Report 19... When handed in at Local Office 19... Port of Stue

No. in Survey held at Gainsborough & Stue Date, First Survey 29. 10. 45 Last Survey 16. 1. 1946
 Reg. Book Vic 98 (Number of Visits 15) Tons {Gross 147 Net 52

on the Vic 98 ms 1070

Built at Gainsborough By whom built J. S. Watson (Gainsboro') L. Yard No. 1555 When built 1946

Engines made at Great Yarmouth (By whom made Crabtree (1931) L. Engine No. 690 When made -
Installs by Charles & Holmes L. Stue

Boilers made at Hockton-on-Sea (By whom made Throckmorton Chemical Engg & Ship Bldg L. Boiler No. 6860 When made -

Registered Horse Power 24 Owners Ministry of War Transport Port belonging to Grimsby
 {M-N
 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 Coastal Light

ENGINES, &c.—Description of Engines Compound Reciprocating - See Spec Rpt No 113325 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 Crank webs as per Rule 4 3/8 Mid. length breadth shrunk Thickness parallel to axis 2 7/8"
 as fitted 4 3/8 Mid. length thickness shrunk Thickness around eye-hole 2"

Intermediate Shafts, diameter as per Rule None Thrust shaft, diameter at collars as per Rule 4 3/8
 as fitted None as fitted 4 3/8

Tube Shafts, diameter as per Rule Screw Shaft, diameter as per Rule 4 7/8 Is the {tube} shaft fitted with a continuous liner {Yes / No}
 as fitted as fitted as fitted 4 7/8

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 Yes
 as fitted as fitted as fitted as fitted

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner Yes

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 Yes

If two liners are fitted, is the shaft lapped or protected between the liners Yes Is an approved Oil Gland or other appliance fitted at the after end of the tube Yes

Propeller, dia. 66" Pitch 86" No. of Blades 4 Material CI whether Moveable No Length of Bearing in Stern Bush next to and supporting propeller 20"
 Total Developed Surface 11.6 sq. feet

Feed Pumps worked from the Main Engines, No. One Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work Yes

Bilge Pumps worked from the Main Engines, No. One Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work Yes

Feed Pumps {No. and size One 2 1/8" x 6" One 1 1/2" x 6" One 800 gals / Ind. Stm. Pumps connected to the Main Bilge Line {No. and size One 5 1/4" x 4 3/4" x 6" One 2 1/8" x 6"
 How driven ME Ind. Stm. How driven Ind. Stm. ME.

Ballast Pumps, No. and size One 5 1/4" x 4 3/4" x 6" Lubricating Oil Pumps, including Spare Pump, No. and size None

Are two independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps:—In Engine and Boiler Room One 2" One 1 1/2"
 In Pump Room Yes In Holds, &c. One 2"

Main Water Circulating Pump Direct Bilge Suctions, No. and size One 2" Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size One 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 above

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 as per Rule

What pipes pass through the deep tanks None Have they been tested as per Rule Yes

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 Part of E.R. Is it fitted with a watertight door Yes worked from Yes

MAIN BOILERS, &c.—(Letter for record 5) 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 One Vertical Boiler Working Pressure 120 lb.

IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

IS A DONKEY BOILER FITTED? No If so, is a report now forwarded? Yes

Can the donkey boiler be used for domestic purposes only Yes

PLANS. Are approved plans forwarded herewith for Shafting 28.10.41 Main Boilers 25.5.44 Auxiliary Boilers Yes Donkey Boilers Yes
 (If not state date of approval)

Superheaters Yes General Pumping Arrangements 14.12.43 Oil fuel Burning Piping Arrangements Yes

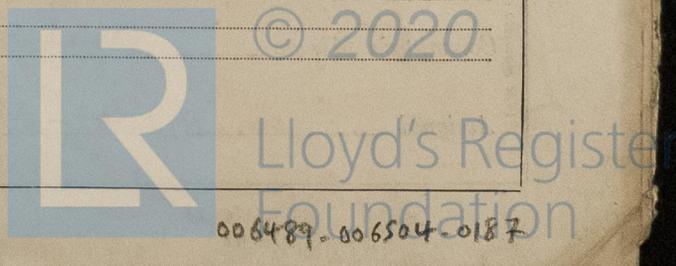
SPARE GEAR.

Has the spare gear required by the Rules been supplied Spare propeller only supplied.

State the principal additional spare gear supplied as per Rule

The foregoing is a correct description.

Manufacturer.



Vic 98

La Spanish Rpt. No. 113 325

During progress of work in shops - -

Dates of Survey while building

During erection on board vessel - - -

Total No. of visits

1945 Oct 29 Nov 10, 22, 28 Dec 4, 10, 15, 21, 28.

1946 Jan. 4, 9, 10, 11, 15, 16

15.

Dates of Examination of principal parts - Cylinders Slides Covers

Pistons Piston Rods Connecting rods

Crank shaft Thrust shaft Intermediate shafts

Tube shaft Screw shaft Propeller

Stern tube 29.10.45 Engine and boiler seatings 22.11.45 Engines holding down bolts 15.12.45.

Completion of fitting sea connections 29.10.45.

Completion of pumping arrangements 11.1.46. Boilers fixed 15.12.45 Engines tried under steam 11.1.46.

Main boiler safety valves adjusted 10.1.46 Thickness of adjusting washers PA 5 1/4

Crank shaft material Identification Mark Thrust shaft material Identification Mark

Intermediate shafts, material Identification Marks Tube shaft, material Identification Mark

Screw shaft, material Identification Mark Steam Pipes, material Copper Test pressure 500 lb Date of Test 10/11/45

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 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? Y.C.S. ✓ If so, state name of vessel Vic 97 - with Slip Screws

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

The above main engine installed by Chas. D. Holme at Hull in accordance with the Specification tried under working conditions found satisfactory. Eligible in my opinion to be classed in the Register Book.

LMC 1,46 O.G.
 C 2CY 10 1/2 & 22 - 14 MN 24
 1VB 120 lb GS 25 # HS 525 #

The amount of Entry Fee ... £ : : } When applied for,
 Special BALANCE FOR FITTING-OUT. £ 6 : 16 } 21 JAN 1946
 Donkey Boiler Fee ... £ : : } When received,
 Travelling Expenses (if any) £ : : } 19

W. Shields
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute ... FRI. 1 FEB 1946

Assigned ... LMC 1,46
 O.G.

If not, state whether, and when, one will be sent? Is a Report also sent on the Hull of the Ship? NOTE - The words which do not apply should be deleted.