

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 22 Oct 1942

Date of writing Report 19... When handed in at Local Office 19... Port of Stall
 No. in Survey held at Thorne Date, First Survey 16. 6. 42. Last Survey 11. 8. 1942.
 Reg. Book Thorne (Number of Visits 3.) Tons {Gross 94 Net 39.
 on the Steam Lighter "VIC 10"
 Built at Thorne By whom built R. Dunston L^d. Yard No. 381 When built 1942
 Engines made at Beebles By whom made Elliot & Sanwood L^d. Engine No. 637 When made .
 Boilers made at Carfin By whom made Alex. Anderson Sons Boiler No. 3686 When made .
 Registered Horse Power 15 Owners Ministry of War Transport Port belonging to .
 Nom. Horse Power as per Rule 15 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No
 Trade for which vessel is intended .

ENGINES, &c.—Description of Engines Compound Reciprocating Revs. per minute .
 Dia. of Cylinders . Length of Stroke . No. of Cylinders . No. of Cranks .
 Crank shaft, dia. of journals . Crank pin dia. . Crank webs . Mid. length thickness . Thickness parallel to axis .
 as per Rule . as fitted . as per Rule . as fitted . as per Rule . as fitted .
 Intermediate Shafts, diameter . Thrust shaft, diameter at collars .
 as per Rule . as fitted . as per Rule . as fitted .
 Tube Shafts, diameter . Screw Shaft, diameter . Is the {tube screw} shaft fitted with a continuous liner {.}
 as per Rule . as fitted . as per Rule . as fitted .
 Bronze Liners, thickness in way of bushes . Thickness between bushes . Is the after end of the liner made watertight in the
 as per Rule ✓ as fitted ✓ as per Rule ✓ as fitted ✓
 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 Brabtree Length of Bearing in Stern Bush next to and supporting propeller 20"
 Propeller, dia. . Pitch . No. of Blades . Material . whether Movable ✓ Total Developed Surface . sq. feet .
 Feed Pumps worked from the Main Engines, No. . Diameter . Stroke . Can one be overhauled while the other is at work .
 Bilge Pumps worked from the Main Engines, No. . Diameter . Stroke . Can one be overhauled while the other is at work .
 Feed Pumps {No. and size Steam Injector } See Pumps connected to the {No. and size One Pean's type 800 galls/hr
 {How driven 1 1/2" } also Main Bilge Line {How driven Ind. str. } (also for boiler feed)
 Ballast Pumps, No. and size none 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 2-1 1/2" & 1-2" In Pump Room ✓ In Holds, &c. FPT 1-1 1/2" Hold 1-2"
 Main Water Circulating Pump Direct Bilge Suctions, No. and size none Independent Power Pump Direct Suctions to the Engine Room Bilges,
 No. and size 1-1 1/2" & 1-2" included above 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 Strums
 Are all Sea Connections fitted direct on the skin of the ship yes 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 ✓
 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 .) Total Heating Surface of Boilers not available 212 (as per Vic 14)
 Which Boilers are fitted with Forced Draft none Which Boilers are fitted with Superheaters none
 No. and Description of Boilers Vertical cross tube 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 . 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 none
 State the principal additional spare gear supplied Outfit as per Specification

The foregoing is a correct description.

Manufacturer.



"VIC 10"

During progress of work in shops - - -

Dates of Survey while building
 During erection on board vessel - - - 1942 June 16. July 20. Aug 11.

Total No. of visits 3.

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 20.7.42.

Stern tube 20.7.42. Engine and boiler seatings 20.7.42. Engines holding down bolts 11.8.42.

Completion of fitting sea connections 20.7.42.

Completion of pumping arrangements 11.8.42. Boilers fixed 11.8.42. Engines tried under steam 11.8.42.

Main boiler safety valves adjusted 11.8.42. Thickness of adjusting washers $P \frac{1}{4} - S \frac{7}{32}$

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 Steel Test pressure 360 lb 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. no

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. no

Is this machinery duplicate of a previous case. Yes ✓ If so, state name of vessel. VIC 9

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

The vessel's machinery has been fitted on board under the Society's supervision and in accordance with the Specification and when tried under steam it was found satisfactory; the boiler safety valves were adjusted to 120 lb.

Certificate to be sent to

The amount of Entry Fee ... £ : : } When applied for,
 Special ... £ 6 : 16 } 21 OCT 1942
 Donkey Boiler Fee ... £ : : } When received,
 Travelling Expenses (if any) £ : : } 19

h. S. Shields

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 30 OCT 1942

FRI. 17 NOV 1950

Assigned

No action / Su F.F. Rpt.



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