

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report 6-5-1942 When handed in at Local Office 8 MAY 1942 Port of HULL
 No. in Survey held at Thorne Date, First Survey 31.3.42. Last Survey 23.4.1942
 Reg. Book on the Sm. Lilla VIC. 7. Tons { Gross 96 Net 41
 Built at Thorne By whom built, R. Dunster Ltd Yard No. 378 When built 1942-4
 Engines made at Beech By whom made Elford & Good Engine No. 634 When made do.
 Boilers made at Carfin By whom made Alex Anderson & Son Boiler No. 3678 When made do.
 Registered Horse Power Owners The Ministry of War Transport Port belonging to Gode.
 Nom. Horse Power as per Rule 7.14 Is Refrigerating Machinery fitted for cargo purposes c/o Is Electric Light fitted c/o.
 Trade for which vessel is intended c/o Run.

ENGINES, &c.—Description of Engines Compound Surface Condensing 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 1/2" as fitted 4 3/8" Crank pin dia. 4 3/8" Crank webs Mid. length breadth " Thickness parallel to axis 2 7/8" shrunk
 Intermediate Shafts, diameter as per Rule 3.93 as fitted Thrust shaft, diameter at collars as per Rule 4.26 4.13 as fitted 4 3/8"
 Tube Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule 4 1/2" as fitted 4 3/8" Is the { tube screw } shaft fitted with a continuous liner c/o.
 Bronze Liners, thickness in way of bushes as per Rule as fitted Thickness between bushes as per Rule 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 c/o If so, state type Smalle Oil Gland Length of Bearing in Stern Bush next to and supporting propeller 20"
 Propeller, dia. 66" Pitch 86" No. of Blades 4 Material C.I. whether Moveable c/o 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 ✓
 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 1 1/2" How driven c/o } Pumps connected to the Main Bilge Line { No. and size One Pearn's type 800 gals/hr. How driven Steam (also for boiler feed) }
 Ballast Pumps, No. and size c/o Lubricating Oil Pumps, including Spare Pump, No. and size c/o
 Are two independent means arranged for circulating water through the Oil Cooler c/o Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps:—In Engine and Boiler Room One 1 1/2" dia One 2" dia In Pump Room ✓ In Holds, &c. F.P.T. 1 1/2" dia, Hold One 2" dia
 Main Water Circulating Pump Direct Bilge Suctions, No. and size One 2" dia Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size One 2" dia (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 Yes ✓
 Are all Sea Connections fitted direct on the skin of the ship Yes ✓ Are they fitted with Valves or Cocks Yes ✓
 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 c/o How are they protected -
 What pipes pass through the deep tanks c/o 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 c/o Is it fitted with a watertight door - worked from -

MAIN BOILERS, &c.—(Letter for record S.) Total Heating Surface of Boilers c/o per boiler as per Rpt. 185 sq. ft. 24
 Which Boilers are fitted with Forced Draft c/o Which Boilers are fitted with Superheaters c/o
 No. and Description of Boilers One Vertical Cross tube Working Pressure 120 lbs/sq. in.
 IS A REPORT ON MAIN BOILERS NOW FORWARDED? Yes ✓
 IS A DONKEY BOILER FITTED? c/o 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 28.10.41 Main Boilers 11.9.41 Auxiliary Boilers Donkey Boilers ✓
 (If not state date of approval)
 Superheaters ✓ General Pumping Arrangements 14.8.41 Oil fuel Burning Piping Arrangements ✓

SPARE GEAR.

Has the spare gear required by the Rules been supplied c/o - Guffin as per Specification ✓
 State the principal additional spare gear supplied

The foregoing is a correct description.

Manufacturer.



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During progress of work in shops - - -

Dates of Survey while building

During erection on board vessel - - -

Total No. of visits 4

1942 - Mar 31. Cpl 17. 21. 23.

Dates of Examination of principal parts - Cylinders

Pistons

Crank shaft

Tube shaft

Stern tube

Completion of fitting sea connections

Completion of pumping arrangements

Main boiler safety valves adjusted

Crank shaft material

Intermediate shafts, material

Screw shaft, material

Is an installation fitted for burning oil fuel

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 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

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

Sp. Rpt. Slides Sp. Rpt. Covers Sp. Rpt.

Piston Rods Sp. Rpt. Connecting rods Sp. Rpt.

Thrust shaft Sp. Rpt. Intermediate shafts Sp. Rpt.

Screw shaft Sp. Rpt. Propeller Sp. Rpt.

Engines holding down bolts 17. 4. 42.

Engines tried under steam 21/4/42

Thrust shaft material Sp. Rpt. Identification Mark

Tube shaft, material Sp. Rpt. Identification Mark

Steam Pipes, material Copper Test pressure 240 lbs/sq. in. Date of Test 17/4/42

Is the flash point of the oil to be used over 150° F.

If so, have the requirements of the Rules been complied with

If so, state name of vessel VIE 1

This vessel's machinery has been fitted on board under the Society's supervision & in accordance with the Specification and when tested under steam it was found satisfactory.

The amount of Entry Fee	... £	:	:	When applied for
Special	... £	6	11.	19.
Donkey Boiler Fee	... £	:	:	When received,
Travelling Expenses (if any)	£	:	:	19.

TUE 19 MAY 1942

Committee's Minute

Assigned

See Lib JE 51598

Engineer Surveyor to Lloyd's Register of Shipping.



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