

Rpt. 4

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 18 FEB 1944

Date of writing Report 15-2-1944 When handed in at Local Office 18 FEB 1944 Port of Sp. Suich

No. in Survey held at Jarmouth Date, First Survey 17.5.43 Last Survey 10-2-1944

Reg. Book "Vic 83" (Number of Visits 16) Tons Gross Net

Built at Horn By whom built Richard. Dymston L. Yard No. T 511 658 When built

Engines made at Jarmouth By whom made (Gibber (1939) Ltd. Engine No. 647 When made 1944

Boilers made at By whom made Boiler No. 669 When made

Registered Horse Power Owners Port belonging to

Nom. Horse Power as per Rule 6.9. Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Trade for which vessel is intended

ENGINES, &c.—Description of Engines Compound Reciprocating Revs. per minute 150

Dia. of Cylinders 10 1/2 - 22" Length of Stroke 14" No. of Cylinders Two No. of Cranks Two

Crank shaft, dia. of journals as per Rule 4 3/8" 4.13 for smooth cooler Mid. length breadth Thickness parallel to axis 2 7/8 + 3"

Intermediate Shafts, diameter as fitted 3.93 for smooth cooler Thrust shaft, diameter at collars as per Rule 4.26" 4.13

Tube Shafts, diameter as fitted Screw Shaft, diameter as fitted 4 7/8" Is the shaft fitted with a continuous liner No

Bronze Liners, thickness in way of bushes as fitted Thickness between bushes as fitted Is the after end of the liner made watertight in the propeller boss

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

Propeller, dia. 66" Pitch 86" No. of Blades 4 Material C.I. whether Moveable No Total Developed Surface 11.6 sq. feet

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

Bilge Pumps worked from the Main Engines, No. 6 Dia. 2 1/8" Stroke 6" 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

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

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? IS A DONKEY BOILER FITTED? 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 Auxiliary Boilers Donkey Boilers

Superheaters. General Pumping Arrangements. Oil fuel Burning Piping Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied

State the principal additional spare gear supplied

The foregoing is a correct description. (1981) LTD.

A. Smith Manufacturer. Managing Director



2m T. 11.41. MCC. (M.A.)

17.9.43, 18.6.43, 1.7.43, 24.9.43, 10.11.43, 18.11.43, 14.1.44, 25.1.44, 3.2.44
 6.9.43, 21.10.43, 24.11.43, 15.12.43, 4.1.44, 18.1.44, 10.2.44

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - - -
 Total No. of visits Sixteen (16)

Dates of Examination of principal parts—Cylinders 21-10-43 Slides 6-9-43 - 21-9-43 Covers 21-10-43
 Pistons 15-12-43 Piston Rods 4-1-44 Connecting rods 4-1-44
 Crank shaft 24-11-43 Thrust shaft 24-11-43 Intermediate shafts ✓
 Tube shaft ✓ Screw shaft 18-1-44 Propeller 18-1-44
 Stern tube 18-1-44 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 Steel Identification Mark ✓ Thrust shaft material Steel Identification Mark ✓
 Intermediate shafts, material Identification Marks Tube shaft, material Identification Mark
 Screw shaft, material Steel 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
 Is this machinery duplicate of a previous case. No If so, state name of vessel T. H. 3. Dunston Rd.
 General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery has not been constructed in accordance with the requirements of the Society's Rules but has been constructed under the supervision of the Society.
 The scantlings are in accordance with the Society's Rules.
 The workmanship is of good description.

The above main engine installed in "Vic 83" at Thorn & Hull tried under working conditions, in accordance with the specification and found satisfactory on completion. Vessel is not classed.
 W. Shields, Hull 16/8/44.

The amount of Entry Fee ... £ : : } When applied for,
 Special ... £ 8 : 0 : 0 } 18 FEB 1944
 Donkey Boiler Fee ... £ : : } When received,
 Travelling Expenses (if any) £ 1 : 4 : 6 } 19

W. J. Bell
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned N.S. for Classing Committee



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

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