

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 27 MAY 1942 22 OCT 1942

Date of writing Report 22.5.1942 When handed in at Local Office 27 MAY 1942 Port of Ipswich

No. in Survey held at Beech. Date, First Survey 25-3-42 Last Survey 18-5-1942

Reg. Book. on the sham lighter "VIC 10" (Number of Visits 24)

Built at Thorne By whom built Dunston Ltd. Yard No. 381 Tons } Gross
When built 1942

Engines made at Beech. By whom made Elliott & Larnood Engine No. 637 When made 1942

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

Registered Horse Power ✓ Owners Port belonging to

Nom. Horse Power as per Rule 6.9.15 Is Refrigerating Machinery fitted for cargo purposes ✓ Is Electric Light fitted ✓

Trade for which Vessel is intended ✓

ENGINES, &c.—Description of Engines

Compound Reciprocating

Dia. of Cylinders 10 1/2" 22" Length of Stroke 14" No. of Cylinders Two Revs. per minute 150

Crank shaft, dia. of journals as per Rule 4 3/8" 4 1/8" Crank pin dia. 4 3/8" No. of Cranks Two Thickness parallel to axis 2 7/8"

Intermediate Shafts, diameter as per Rule 4 3/8" as fitted Thrust shaft, diameter at collars as per Rule 4 3/8" as fitted Thickness around eye-hole 2"

Tube Shafts, diameter as per Rule 4 3/8" as fitted Screw Shaft, diameter as per Rule 4 3/8" as fitted Is the tube } shaft fitted with a continuous liner } No

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 ✓ 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

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. 6m Diameter 2 1/8" Stroke 6" Can one be overhauled while the other is at work ✓

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

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

Bilge Pumps;—In Engine and Boiler Room Suctions, connec d to both Main Bilge Pumps and Auxiliary

In Pump Room In Holds, &c.

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?

IS A DONKEY BOILER FITTED?

Can the donkey boiler be used for domestic purposes only

If so, is a report now forwarded?

PLANS. Are approved plans forwarded herewith for Shafting 28.10.41 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

State the principal additional spare gear supplied

The foregoing is a correct description.

A Smith

Manufacturer.

Director & Gen. Works Manager



© 2021

Lloyd's Register Foundation

1170-2614 124-0214

25-3-42, 30-3-42, 10-4-42, 17-4-42, 4-5-42, 18-5-42.

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - -

Total No. of visits

84.

Dates of Examination of principal parts—Cylinders 4-5-42. Slides 4-5-42. Covers 4-5-42.

Pistons 4-5-42. Piston Rods 4-5-42. Connecting rods 4-5-42.

Crank shaft 17-4-42. Thrust shaft 17-4-42. Intermediate shafts ✓

Tube shaft 18-5-42. Screw shaft 18-5-42. Propeller 18-5-42.

Stern tube 18-5-42. 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 Still Identification Mark ✓ Thrust shaft material Identification Mark ✓

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

Screw shaft, material Still 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 In. If so, state name of vessel R. Dunston's Land 379.380.

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 amount of Entry Fee ... £ : : When applied for, 27 MAY 1942
Special ... £ 8 : 0 : 0
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ : 17 : 11

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 30 OCT 1942

Assigned

No action



© 2021

Lloyd's Register Foundation