

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

JUN -5 1940

Date of writing Report 23rd May 1940 when handed in at Local Office Bristol Port of Bristol
 No. in Survey held at 4913 on the single screw tug "Peter Joliffe" Date, First Survey 12 January Last Survey 16th May 1940
 Reg. Book. 4913 (Number of Visits) 1 Tons { Gross 80 Net 1
 Built at Bristol By whom built Chas Hill & Sons Ltd. Yard No. 244 When built 1940
 Engines made at Newbury By whom made Plenty & Son Ltd. Engine No. 2449 When made 1940
 Boilers made at Carfin By whom made Alex Anderson & Sons Ltd. Boiler No. 3581 When made 1940
 Registered Horse Power 51.25 Owners Poole Harbour Commissioners Port belonging to Poole
 Nom. Horse Power as per Rule 51.25 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes
 Trade for which Vessel is intended _____

ENGINES, &c.—Description of Engines See London Rpt No 108490 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 breadth _____ Thickness parallel to axis _____
 as per Rule _____ as fitted _____ Mid. length thickness _____ shrunk _____ Thickness around eye-hole _____
 Intermediate Shafts, diameter _____ Thrust shaft, diameter at collars _____ as per Rule _____ as fitted _____
 Tube Shafts, diameter _____ Screw Shaft, diameter _____ as per Rule _____ as fitted _____ Is the { tube } shaft fitted with a continuous liner { screw } _____
 as per Rule _____ as fitted _____ as per Rule _____ as fitted _____
 Bronze Liners, thickness in way of bushes _____ 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 _____
 shaft _____ If so, state type _____ Length of Bearing in Stern Bush next to and supporting propeller _____
 Propeller, dia. _____ Pitch _____ No. of Blades _____ Material _____ whether Moveable _____ 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 1. 2"x9" one 4"x6" Duplex Pumps connected to the { No. and size 1. 2"x9" one 4"x6" Duplex }
 { How driven Main Engine Steam } Main Bilge Line { How driven Main Engine one 2" steam ejector }
 Ballast Pumps, No. and size 1. 4"x6" Duplex 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 2. 2" _____
 In Pump Room _____ In Holds, &c. _____

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 _____
 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 sized 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 S) Total Heating Surface of Boilers 1036 sq. ft.
 Which Boilers are fitted with Forced Draft _____ Which Boilers are fitted with Superheaters _____
 No. and Description of Boilers One single ended. Working Pressure 180 lbs / sq. in.
 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 _____
 Has the spare gear required by the Rules been supplied Yes. SPARE GEAR.
 State the principal additional spare gear supplied _____

The foregoing is a correct description.
CHARLES HILL & SONS, LTD.

Alan W. Beck
 DIRECTOR.

for Manufacturer.



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 003611-003619-0162

During progress of work in shops - -
 Dates of Survey while building
 During erection on board vessel - - - Jan 12, 17, 30 Feb 22nd Mar 14, 30 Apr 4, 15, 17, 29 May 16
 Total No. of visits 11

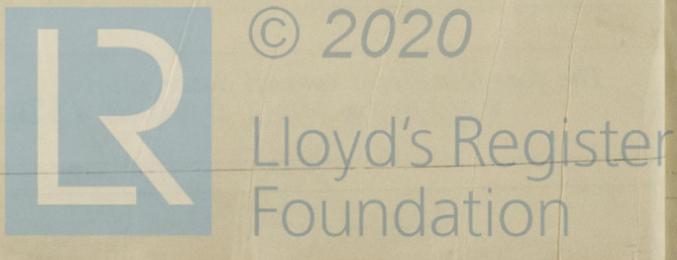
Dates of Examination of principal parts—Cylinders ✓ Slides ✓ Covers ✓
 Pistons ✓ Piston Rods ✓ Connecting rods ✓
 Crank shaft ✓ Thrust shaft ✓ Intermediate shafts ✓
 Tube shaft ✓ Screw shaft ✓ Propeller 17-1-40
 Stern tube 17-1-40 Engine and boiler seatings 30-1-40 Engines holding down bolts 30-3-40
 Completion of fitting sea connections 17-1-40
 Completion of pumping arrangements 29-4-40 Boilers fixed 14-3-40 Engines tried under steam 29-4-40
 Main boiler safety valves adjusted 29-4-40 Thickness of adjusting washers 3/8"
 Crank shaft material ✓ Identification Mark 9985 W.M. Thrust shaft material ✓ Identification Mark 4707T
 Intermediate shafts, material ✓ Identification Marks 4706 TDS Tube shaft, material ✓ Identification Mark
 Screw shaft, material ✓ Identification Mark 4705 TDS Steam Pipes, material Copper Test pressure 360 lbs. Date of Test 14-4-4
 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 ✓ 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 ✓ If so, state name of vessel ✓

General Remarks (State quality of workmanship, opinions as to class, &c.)
 The machinery & boilers have now been fitted on board the vessel in accordance with Rule requirements. They have been tried under steam and found satisfactory.
 It is recommended that the Engines & Boilers be classed in the Register Book with notation + LMC 5.40. T.S. O.G.

The amount of Entry Fee ... £ : : When applied for,
 Special 15/6 ... £ 3 : 0 : 4-6-1940
 Donkey Boiler Fee ... £ : : When received,
 Travelling Expenses (if any) £ : : 13/6 1940 R.G.F. 17/6

J. Brooke Smith
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 14 JUN 1940
 Assigned + L.M.C. 5.40
 O.G.



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