

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 19 MAR 1930

Date of writing Report Dec 21st 1929 When handed in at Local Office Dec 21st 1929 Port of GLASGOW.

No. in Survey held at Irvine Date, First Survey 27. 8. 29 Last Survey Dec^r 14th 1929.
 Reg. Book. on the S/S Charterhurst (Number of Visits 5)

Built at Irvine By whom built Ayrshire Dockyard Co Ltd Yard No. 515. Tons Gross 4965
Net 3080 When built 1930

Engines made at Greenock. By whom made Rankin & Blackmore Ltd. Engine No. 435 when made 1930

Boilers made at ditto By whom made ditto Boiler No. 435 when made 1930

Registered Horse Power 470 Owners Charter Shipping Co Port belonging to Cardiff

Nom. Horse Power as per Rule 470 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes

Trade for which Vessel is intended Foreign

ENGINES, &c.—Description of Engines

Dia. of Cylinders as per Rule Length of Stroke as fitted No. of Cylinders as fitted Revs. per minute as fitted

Crank shaft, dia. of journals as per Rule Crank pin dia. as fitted Crank webs as fitted Mid. length breadth as fitted Mid. length thickness as fitted Thickness parallel to axis as fitted Thickness around eye-hole as fitted

Intermediate Shafts, diameter as per Rule as fitted Thrust shaft, diameter at collars as per Rule as fitted

Tube Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule as fitted Is the { tube } shaft fitted with a continuous liner { screw }

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 as fitted

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner as fitted

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 as fitted

If two liners are fitted, is the shaft lapped or protected between the liners as fitted Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft as fitted

Propeller, dia. as fitted Pitch as fitted No. of Blades as fitted Material as fitted whether Moveable as fitted Total Developed Surface as fitted sq. feet

Feed Pumps worked from the Main Engines, No. as fitted Diameter as fitted Stroke as fitted Can one be overhauled while the other is at work as fitted

Bilge Pumps worked from the Main Engines, No. as fitted Diameter as fitted Stroke as fitted Can one be overhauled while the other is at work as fitted

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

Ballast Pumps, No. and size as fitted Lubricating Oil Pumps, including Spare Pump, No. and size as fitted

Are two independent means arranged for circulating water through the Oil Cooler as fitted Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room as fitted

In Holds, &c. as fitted

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

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes as fitted

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 as fitted

Are all Sea Connections fitted direct on the skin of the ship as fitted Are they fitted with Valves or Cocks as fitted

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates as fitted Are the Overboard Discharges above or below the deep water line as fitted

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel as fitted Are the Blow Off Cocks fitted with a spigot and brass covering plate as fitted

What Pipes pass through the bunkers as fitted How are they protected as fitted

What pipes pass through the deep tanks as fitted Have they been tested as per Rule as fitted

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times as fitted

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 as fitted Is the Shaft Tunnel watertight as fitted Is it fitted with a watertight door as fitted worked from as fitted

MAIN BOILERS, &c.—(Letter for record as fitted) Total Heating Surface of Boilers as fitted

Is Forced Draft fitted as fitted No. and Description of Boilers as fitted Working Pressure as fitted

IS A REPORT ON MAIN BOILERS NOW FORWARDED? as fitted

IS A DONKEY BOILER FITTED? as fitted If so, is a report now forwarded? as fitted

PLANS. Are approved plans forwarded herewith for Shafting as fitted Main Boilers as fitted Auxiliary Boilers as fitted Donkey Boilers as fitted

(If not state date of approval)

Superheaters as fitted General Pumping Arrangements as fitted Oil fuel Burning Piping Arrangements as fitted

SPARE GEAR. State the articles supplied:—as fitted

The foregoing is a correct description,

Manufacturer.



During progress of work in shops - - 1929 Aug 27 Sep 5-11-19 Dec 17
 Dates of Survey while building {
 During erection on board vessel - - - }
 Total No. of visits 5

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 _____
 Stern tube _____ Engine and boiler seatings 15-9-29 Engines holding down bolts _____
 Completion of fitting sea connections 19-9-29 _____
 Completion of pumping arrangements _____ Boilers fixed _____ Engines tried under steam _____
 Main boiler safety valves adjusted _____ Thickness of adjusting washers _____
 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 _____ 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 _____
 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 stern tube and sea connections have been securely fitted on board.
The vessel has proceeded to Greenock where machinery and boilers will be fitted

A.S.
 23/12/29.

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

The amount of Entry Fee ... £	:	:	When applied for,
Special ... £	:	:	11th MARCH 1930.
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £ 1 : 0 :	:	:	27th MARCH 1930.

D. C. Barr.
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute LASGOW 18 MAR 1930

Assigned See Grk Rpt. No. 19163



© 2021
 Lloyd's Register
 Foundation