

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 18476.

25 NOV 1925

Received at London Office

Date of writing Report 6. 10. 1925. When handed in at Local Office 10. 11. 1925. Port of Greenock
 No. in Survey held at Greenock. Date, First Survey 23rd September 1925. Last Survey 6th Oct 1925.
 Reg. Book. on the SS "AUDACITY". (Number of Visits 3)
 Built at Greenock. By whom built George Brown & Sons Ltd Yard No. 149. Tons { Gross
 Engines made at Coatbridge. By whom made Wm Beardmore & Co Ltd Engine No. when built
 Boilers made at By whom made " " Boiler No. when made
 Registered Horse Power Owners Port belonging to
 Nom. Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

ENGINES, &c.—Description of Engines

Dia. of Cylinders Length of Stroke Revs. per minute No. of Cylinders No. of Cranks
 Dia. of Crank shaft journals as per rule as fitted Dia. of Crank pin Crank webs Mid. length breadth Mid. length thickness Thickness parallel to axis Thickness around eye-hole
 Diameter of Thrust shaft under collars as per rule as fitted Diameter of Tunnel shaft as per rule as fitted Diameter of Screw shaft as per rule as fitted Is the Screw shaft
 fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made watertight in the propeller boss Yes
 If the liner is in more than one length are the joints burned ✓ If the liner does not fit tightly at the end
 between the bearings in the stern tube, is the space charged with 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 appliance fitted at the after end of the shaft to permit
 of it being efficiently lubricated No Length of Stern Bush Diameter of Propeller
 Pitch of Propeller No. of Blades State whether Moveable Total Surface square feet.
 No. of Feed Pumps fitted to the Main Engines Diameter of ditto Stroke Can one be overhauled while the other is at work
 No. of Bilge Pumps fitted to the Main Engines Diameter of ditto Stroke Can one be overhauled while the other is at work
 Total number and size of power driven Feed and Bilge Auxiliary Pumps
 No. and size of Pumps connected to the Main Bilge Line
 No. and size of Ballast Pumps No. and size of Lubricating Oil Pumps, including Spare Pump
 Are two independent means arranged for circulating water through the Oil Cooler No. and size of suction connected to both Main Bilge Pumps and Auxiliary
 Bilge Pumps;—In Engine and Boiler Room and in Holds, &c.

No. and size of Main Water Circulating Pump Bilge Suctions No. and size of Donkey Pump Direct Suctions
 to the Engine Room Bilges 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 connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Little
 Are they size sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes 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 are carried through the bunkers How are they protected
 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 Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

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

Is Forced Draft fitted 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?

PLANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers
 (If not state date of approval) Oil fuel Burning Piping Arrangements
 General Pumping Arrangements

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.



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During progress of work in shops - - -

Dates of Survey while building (1925)
 During erection on board vessel - - - September 23-30. October 6.

Total No. of visits 3.

Dates of Examination of principal parts - Cylinders Slides
 Covers Pistons Rods
 Connecting rods Crank shaft Thrust shaft
 Tunnel shafts Screw shaft Propeller
 Stern tube Engine and boiler seatings 6-10-25 Engines holding down bolts
 Completion of pumping arrangements Boilers fixed Engines tried under steam
 Completion of fitting sea connections 6-10-25 Stern tube 23-9-25 Screw shaft and propeller 6-10-25
 Main boiler safety valves adjusted Thickness of adjusting washers
 Material of Crank shaft Identification Mark on Do.
 Material of Thrust shaft Identification Mark on Do.
 Material of Tunnel shafts Identification Marks on Do.
 Material of Screw shafts Identification Marks on Do.
 Material of Steam Pipes 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 carrying and burning oil fuel 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 engine and boiler seatings, sea connections, stern tube, tail shaft and propeller satisfactorily fitted on board.
 The vessel has now left for Glasgow, for installation of machinery.
 Glasgow surveyors notified.

Certificate to be sent to

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

J. Davey
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 24 NOV 1925

Assigned to L.M.C. 11-25 on 4th. Rpt 45185. *JMM*



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