

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

No. 46886.

5 OCT 1927

Survey Report 19 When handed in at Local Office 22-7-1927 Port of Glasgow
 Survey held at Ardrossan Date, First Survey 15-6-27 Last Survey 21-7-1927
 on the SS. ROVUMA (Number of Visits 5)
 By whom built Ardrossan Dockyard Co Yard No. 338 Tons { Gross
 made at Coatbridge By whom made W. Beardmore & Co Engine No. When built
 made at By whom made Boiler No. when made
 d Horse Power Owners Port belonging to
 se Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
 r which Vessel is intended

ES, &c.—Description of Engines

Cylinders Length of Stroke No. of Cylinders Revs. per minute
 as per Rule No. of Cranks
 dia. of journals as fitted Crank pin dia. Mid. length breadth Thickness parallel to axis
 as fitted Crank webs Mid. length thickness shrunk Thickness around eye-hole
 Late Shafts, diameter as per Rule Thrust shaft, diameter at collars as per Rule
 as fitted as fitted
 shafts, diameter as per Rule Screw Shaft, diameter as per Rule Is the { tube } shaft fitted with a continuous liner {
 as fitted as fitted screw
 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
 as fitted as fitted
 If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner
 r 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
 ers are fitted, is the shaft lapped or protected between the liners Is an approved Oil Gland or other appliance fitted at the after
 tube shaft Length of Bearing in Stern Bush next to and supporting propeller
 r, dia. Pitch No. of Blades Material whether Moveable Total Developed Surface sq. feet
 mps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work
 mps worked from the Main Engines, No. Diameter Stroke Can one be overhauled while the other is at work
 No. and size Pumps connected to the { No. and size
 How driven Main Bilge Line { How driven
 mps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size
 ependent means arranged for circulating water through the Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary
 s;—In Engine and Boiler Room

er Circulating Pump Direct Bilge Suctions, No. and size

Independent Power Pump Direct Suctions to the Engine Room Bilges,
 Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes.

Connections fitted direct on the skin of the ship

Are they fitted with Valves or Cocks

ed 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

h 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

pass through the bunkers

How are they protected

pass through the deep tanks

Have they been tested as per Rule

ts, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

gement 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
 to another Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

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

d Draft fitted

No. and Description of Boilers

Working Pressure

REPORT ON MAIN BOILERS NOW FORWARDED?

DONKEY BOILER FITTED?

If so, is a report now forwarded?

S. Are approved plans forwarded herewith for Shafting
 (If not state date of approval)

Main Boilers

Auxiliary Boilers

Donkey Boilers

ers General Pumping Arrangements

Oil fuel Burning Piping Arrangements

E GEAR. State the articles supplied:—

The foregoing is a correct description.

Manufacturer.



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004900 - 004905 - 0174

28744

1927 Jun 15-22 July 8-12-21

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - -

Total No. of visits 5

AMUVA 22

W. B. Macdonald & Co. Glasgow

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 Engines holding down bolts

Completion of fitting sea connections 21-4-27

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 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.)

Propellers, stern tubes, propeller shafts & sea cocks & valves fitted & examined. Found same in order.

The vessel is proceeding to Greenock to have the machinery installed.

22/7/27

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

The amount of Entry Fee ... £ : : When applied for,
Special ... £ : : 29th Sept 1927
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ 1 : - : 4. 10. 27

John D. Macdonald.
Engineer Surveyor to Lloyd's Register of S

Committee's Minute GLASGOW 4 - OCT 1927

Assigned See G.K. Rpt. No. 18770.



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