

Rovuma

No. 19770

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 5 OCT 1927

Date of writing Report 8/9/27 When handed in at Local Office 28/9/27 Port of Greenock
in Survey held at Greenock Date, First Survey 14th August '24 Last Survey 28/9/1927
g. Book. on the T/S "Rovuma" (Number of Visits 8)

built at Ardman By whom built Ardman & Co Ltd. Yard No. Tons Gross Net
Engines made at Boatbidge By whom made W. Beardon & Co Ltd. Engine No. 632/3 When built 1927
Boilers made at Greenock By whom made J. & K. Caird & Co Ltd. Boiler No. 171 when made 1927
Registered Horse Power Owners Ulster Canal Mail & S Co Ltd Port belonging to London
Nominal Horse Power as per Rule 125. Is Refrigerating Machinery fitted for cargo purposes NO. Is Electric Light fitted Yes

GINES, & Co. - Description of Engines Triple expansion (2 sets) ✓ Twin screws
No. of Cylinders Length of Stroke Revs. per minute 125 No. of Cylinders No. of Cranks
Diameter of Crank shaft journals as per rule Dia. of Crank pin Crank webs Mid. length breadth Thickness parallel to axis
Diameter of Thrust shaft under collars as per rule Diameter of Tunnel shaft as per rule Diameter of Screw shaft as per rule Is the Screw shaft
Is the after end of the liner made watertight in the propeller boss

Length of Stern Bush Diameter of Propeller
No. of Blades State whether Moveable Total Surface square feet.
Diameter of ditto Stroke Can one be overhauled while the other is at work
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Number and size of power driven Feed and Bilge Auxiliary Pumps 2 SIMPLEX, 4" x 5" x 12" ✓
and size of Pumps connected to the Main Bilge Line 2 SIMPLEX, 1-4" x 5" x 12", 1-8" x 9" x 18" ✓
and size of Ballast Pumps 1-8" x 9" x 18" ✓ No. and size of Lubricating Oil Pumps, including Spare Pump None.
No. and size of suction connections connected to both Main Bilge Pumps and Auxiliary and in Holds, &c. N° 1 = 2-2 1/2" ✓ N° 2 = 2-2 1/4" ✓

and size of Main Water Circulating Pump Bilge Suctions 2-3 1/2" ✓ No. and size of Donkey Pump Direct Suctions
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Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes ✓
Are they Valves or Cocks Both ✓

Are the Discharge Pipes above or below the deep water line Above ✓
Are the Blow Off Cocks fitted with a spigot and brass covering plate ✓
How are they protected Limber boards ✓
Is the Screw Shaft Tunnel watertight Yes ✓ Is it fitted with a watertight door Yes ✓ worked from UER Platform
Total Heating Surface of Boilers 2354 sq ft ✓
Working Pressure 180 ✓

2 Single ended
A REPORT ON MAIN BOILERS NOW FORWARDED? Yes ✓
A DONKEY BOILER FITTED? No ✓ If so, is a report now forwarded? -
Are approved plans forwarded herewith for Shafting Main Boilers Yes ✓ Auxiliary Boilers - Donkey Boilers -
Oil fuel Burning Piping Arrangements -

State the articles supplied: - 2 Connecting Rod bolts 10 1/2 inches for top ends
ditto for bottom ends 2 Main Bearing bolts 1 set of
Coupling bolts 1 set of Feed & Bilge Pump Gaskets a
quantity of assorted bolts & nuts 1 lb of varnish

The foregoing is a correct description, Manufacturer.



004900-004905-0172

During progress of work in shops - -
 Dates of Survey while building { Aug. 14. 25. 24. 30. 31. Sept 7. 8. 28.
 During erection on board vessel - - -
 Total No. of visits 8.

Dates of Examination of principal parts - Cylinders

Covers	Pistons	Slides
Connecting rods	Crank shaft	Rods
Tunnel shafts	Screw shaft	Thrust shaft
Stern tube	Engine and boiler seatings	Propeller
Completion of pumping arrangements	Boilers fixed	Engines holding down bolts
Completion of fitting sea connections	Stern tube	Engines tried under steam
Main boiler safety valves adjusted	Thickness of adjusting washers	Screw shaft and propeller

all lbs repl.
see lbs repl.
see lbs repl.

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 *Copper SD* ✓ Test pressure *360* ✓ Date of Test *31-8-27*
 Is an installation fitted for burning oil fuel *90* ✓ 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 *90* ✓ If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. *These engines, Boilers have been securely fitted on board. Tried under steam & found satisfactory. The machinery is eligible in our opinion for the record of. LMC 9. 27.*

It is submitted that this vessel is eligible for THE RECORD. + LMC 9. 27.

W.D.
6/10/27
 CERTIFICATE WRITTEN
11.10.27.

The amount of Entry Fee ... £ : :
 1/5th Special *Fitout* £ *6-5-* : :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, *29th Sept. 1927.*
 When received, *4.10.27*

W.D. Gordon-Maclean
 Engineer Surveyor to Lloyd's Register of Ships

Committee's Minute **GLASGOW 4 - OCT 1927**
 Assigned *+ LMC 9. 27*



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