

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

No. 18534.

Received at London Office

13 MAY 1926

Date of writing Report 26. 2. 1926 When handed in at Local Office 13. 4. 1926. Port of Greenock
 No. in Survey held at Port Glasgow. Date, First Survey 5th November, 1925. Last Survey 26-2-1926.
 Reg. Book. on the SS "DALRIADA". (Number of Visits 5)
 Built at Port Glasgow. By whom built Messrs R. Duncan & Co. Ltd. Yard No. 341 Tons ^{Gross} _{Net}
 Engines made at Glasgow By whom made D. Rowan & Co. Ltd. Engine No. When built 1926,
 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 Dia. of Crank pin Crank webs Mid. length breadth Thickness parallel to axis
 as fitted Mid. length thickness shrunk Thickness around eye-hole
 Dia. 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
 as fitted as fitted as fitted
 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 turned If the liner does not fit tightly at the part
 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 Movable 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
 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 both. ✓
 Are they fixed 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 above. ✓
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes. ✓ Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes. ✓
 Are the Pipes 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

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?

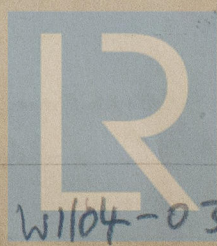
PLANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers
 (If not state date of approval)

General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.



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Lloyd's Register
Foundation

W1104-0358

(1925) Nov 5. (1926) Jan 14 Feb. 5. 17. 26.
During progress of work in shops - -
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 Rods
Connecting rods Crank shaft Thrust shaft
Tunnel shafts Screw shaft Propeller
Stern tube Engine and boiler seatings 14/2/26. Engines holding down bolts
Completion of pumping arrangements Boilers fixed Engines tried under steam
Completion of fitting sea connections 14/2/26. Stern tube 5/2/26. Screw shaft and propeller 14/2/26 26/2/26.
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 sea connections, stern tube, tail shaft and propeller, have been satisfactorily fitted on board.
The vessel has now left for Glasgow, where the machinery will be installed. Glasgow Surveyors notified.

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

J. A. Gray
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 11 MAY 1926
Assigned See accompanying machinery report (Gls. No. 45641)