

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

8 SEP 1926

8 SEP 1926

Date of writing Report 21st June 1926 When handed in at Local Office 22nd June 1926 Port of Greenock

No. in Survey held at Port Glasgow Date, First Survey 12th May, 1926 Last Survey 18th June 1926
Reg. Book. on the SS "PHUME" (Number of Visits 4)

Built at Port Glasgow By whom built Messrs Lithgow & Co Yard No. 490 When built 1926

Engines made at Glasgow By whom made Messrs D. Rowan & Co Engine No. when made 1926

Boilers made at " By whom made " Boiler No. when made 1926

Registered Horse Power Owners Port belonging to

Nom. Horse Power as per Rule Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Revs. per minute

Dia. of Cylinders Length of Stroke No. of Cylinders No. of Cranks

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

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

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

Bronze Liners, thickness in way of bushes as per Rule Thickness between bushes as fitted 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 junctions made by fusion through the whole thickness of the liner.

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.

If two liners are fitted, is the shaft lapped or protected between the liners. Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft No Length of Bearing in Stern Bush next to and supporting propeller

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

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

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

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

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

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

In Holds, &c.

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

No. and size 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 Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks both

Are they fixed sufficiently high on the ship's side to be seen without lifing the stokehold plates Are the Overboard Discharges 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

What Pipes are carried through the bunkers How are they protected

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

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 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)

Superheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description.

Manufacturer.

W1037-0203



Dates of Survey while building
 During progress of work in shops - - (1926) May 12-26 June 7-18
 During erection on board vessel - - -
 Total No. of visits 4

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 FITTED. 4-6-26.
 Stern tube FITTED 26-5-26. Engine and boiler seatings 18-6-26 Engines holding down bolts ✓
 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. The propeller, stem tube, tail shaft sea connection and engine and boiler seatings have been satisfactorily fitted on board the vessel. The vessel has now left for Glasgow for installation of machinery Glasgow Surveyors notified.

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

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

J. P.oney
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 7-SEP 1926

Assigned See accompanying Mech. Report. *[Signature]*