

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

Date of writing Report 19 When handed in at Local Office 19 Port of *Liverpool*

No. in Survey held at Reg. Book. on the *S.S. GLAISTDALE* Date, First Survey Last Survey 19

Built at *Liverpool* By whom built *Mr James Lamb & Co Ltd* Yard No. *707* Tons { Gross Net }
Engines made at *Do* By whom made *George Rankin & Co Ltd* Engine No. *1173* When built *1929*
Boilers made at *Do* By whom made *Do* Boiler No. *1173* when made *1929*
Registered Horse Power Owners *Headman & Sons Ltd* Port belonging to *Whitby*
Nom. Horse Power as per Rule *341* Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
Trade for which Vessel is intended *General*

ENGINES, &c.—Description of Engines

Dia. of Cylinders Length of Stroke No. of Cylinders Revs. per minute
Crank shaft, dia. of journals as per Rule as fitted Crank pin dia. Crank webs Mid. length breadth Mid. length thickness No. of Cranks Thickness parallel to axis Thickness around eye-hole
Intermediate Shafts, diameter as per Rule as fitted Thrust shaft, diameter at collars as per Rule as fitted
Tube Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule as fitted Is the { tube screw } shaft fitted with a continuous liner
Bronze Liners, thickness in way of bushes as per Rule as fitted Thickness between bushes as per Rule as fitted Is the after end of the liner made watertight in the propeller boss
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
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 How driven } Pumps connected to the Main Bilge Line { No. and size 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

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 Are they fitted with Valves or Cocks
Are they fixed 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
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 pass 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 *top of stokehold*

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.



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Dates of Survey while building
During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

Dates of Examination of principal parts—Cylinders
Pistons
Crank shaft
Tube shaft
Stern tube
Completion of fitting sea connections
Completion of pumping arrangements
Main boiler safety valves adjusted
Crank shaft material
Intermediate shafts, material
Screw shaft, material
Is an installation fitted for burning oil fuel
Have the requirements of the Rules for carrying and burning oil fuel been complied with
Is this machinery duplicate of a previous case

Piston Rods
Thrust shaft
Screw shaft
Engine and boiler seatings
Boilers fixed
Thickness of adjusting washers
Identification Mark
Identification Marks
Identification Mark
If so, state name of vessel

Slides
Covers
Connecting rods
Intermediate shafts
Propeller
Engines holding down bolts
Engines tried under steam
Thrust shaft material
Tube shaft, material
Steam Pipes, material
Test pressure
Date of Test
Is the flash point of the oil to be used over 150°F.

General Remarks (State quality of workmanship, opinions as to class, &c. *See machinery report.*
Written to complete machinery report.

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	... £	:	:	19.....
Donkey Boiler Fee	... £	:	:	When received,
Travelling Expenses (if any)	£	:	:	19.....

Committee's Minute

SEP 20 SEP 1925

Assigned

See Report attached

Shuttle
Engineer Surveyor to Lloyd's Register of Shipping.



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