

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

10 FEB 1926

Date of writing Report 22nd Sept 1925. When handed in at Local Office 10th Oct 1925. Port of Greenock.

No. in Survey held at Port Glasgow Date, First Survey 29th June, 1925 Last Survey 22nd Sept 1925.
Reg. Book. on the SS "CRAIGWEN" (Number of Visits 3)

Built at Port Glasgow By whom built Robert Duncan & Co. Ltd. Yard No. 366 Tons ^{Gross} _{Net}
Engines made at Glasgow By whom made D. I. Rowan & Co. Ltd. Engine No. When built
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
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
as fitted 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 burned 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 Moveable 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
to 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
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 are 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

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)

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

W403-0112

Dates of Survey while building { During progress of work in shops - - { (1925) June 29. Aug. 12. Sept 22. During erection on board vessel - - - { Total No. of visits 3.

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 22/9/25. Engines holding down bolts Completion of pumping arrangements Boilers fixed Engines tried under steam Completion of fitting sea connections 22/9/25. Stern tube 12/8/25. Screw shaft and propeller 22/9/25. 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 engine and boiler seatings, sea connections, stern tube, propeller and tail shaft have been satisfactorily fitted on board. The vessel has now left for Glasgow for installation of machinery. Glasgow Surveyors notified.

1880K 10/11/25

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

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

Committee's Minute GLASGOW 9-FEB 1926

Assigned See accompanying machinery report BDR