Cpt. 4.

No. 5691

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 15 DEC 1926

Date of writing Report 13 Dec 1926 When handed in at Local Office 19 Port of Havre

No. in Reg. Book. Survey held at Havre Caen Date, First Survey 27 avril Last Survey 30 nov 1926 (Number of Visits 8)

on the s/s Circé Tons { Gross / Net

Built at Caen By whom built Chantiers Navals Français Yard No. 42 When built 1926

Engines made at St Denis By whom made Chantiers de la Loire Engine No. 2287 when made 1922

Boilers made at Indret By whom made Indret Boiler No. 37 & 38 when made 1920

Registered Horse Power — Owners Societe Navale Caennaise Port belonging to Caen

Nom. Horse Power as per Rule 193 197. Is Refrigerating Machinery fitted for cargo purposes no ✓ Is Electric Light fitted yes ✓

Trade for which Vessel is intended

ENGINES, &c.—Description of Engines Completion of Pares Depart. N° 13 Revs. per minute

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

Crank shaft, dia. of journals as per Rule / as fitted Crank pin dia. Crank webs Mid. length breadth / Mid. length thickness shrunk 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 1. 165. 180. 105 ✓ / How driven Steam engine ✓ } **Pumps** connected to the **Main Bilge Line** { No. and size 1. 70 – 135 – 130 – 120 / How driven Steam engine }

Ballast Pumps, No. and size 1. 265 – 295 – 455 ✓ **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 2 – 70 m/m 2.75 ✓

In Holds, &c. Fore hold 1 each side 80 m/m After hold 1 each side 70 m/m.

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 – 160 6.2 ✓ **Independent Power Pump Direct Suctions** to the Engine Room Bilges, No. and size 1 each side 70 2.75 ✓ Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes yes ✓

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 yes ✓

Are all **Sea Connections** fitted direct on the skin of the ship Recess or ballast tanks Are they fitted with Valves or Cocks Valve ✓

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes ✓ 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 no ✓

What Pipes are carried through the bunkers Holds, bilges and ballast suctions. How are they protected Steel covered ✓

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 yes ✓

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 yes ✓ Is the Shaft Tunnel watertight yes ✓ Is it fitted with a watertight door yes ✓ worked from Deck Hearing engine platform ✓

MAIN BOILERS, &c.—(Letter for record (S) ✓ Total Heating Surface of Boilers 3247 ft. ✓

Is Forced Draft fitted no. ✓ No. and Description of Boilers 2 SB. ✓ Working Pressure 185 lb. ✓

IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes. ✓

IS A DONKEY BOILER FITTED? no ✓ 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:—

2 crank shaft bearing bolts – 6 shaft coupling bolts – 2 top and 2 bottom end bolts connecting rods – 4 feed and 4 bilge pumps valves – 1 H P piston ring – 1 M P and 1 L P piston rings – 1 propeller shaft – 1 bottom and 1 top brass connecting rods – 39 Condenser tubes – 1 set of safety valves spring – 1 set of auxiliary feed pump valves – 14 ordinary and 8 stay tubes for boilers – 1 propeller ✓

The foregoing is a correct description,

H Lebourdais

Manufacturer.

NOTE.—The words which do not apply are to be struck out.

Im 10/24. T.

003006-003012-0160

Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - - 29 april - 22 may - 18 june - 27 august - 30 sept - 10 oct - 22 oct - 30 nov

Total No. of visits 8

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 —

Stern tube 18 june Engine and boiler seatings 25 july Engines holding down bolts 27 August

Completion of pumping arrangements 30 sept. Boilers fixed 27 august Engines tried under steam 30 novem.

Main boiler safety valves adjusted 10 oct Thickness of adjusting washers Port boiler Fore valve 13.6 Aft valve 17.6 Stard. boiler Fore valve 15.6 Aft valve 23.7

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 steel Test pressure 37 ℔ Date of Test 14/10/26

Is an installation fitted for burning oil fuel no 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 yes If so, state name of vessel Marie. Louise type

General Remarks (State quality of workmanship, opinions as to class, &c.

This machinery has been opened out for examination before erection on board the vessel the working parts have been found in good condition the workmanship is good
The engine has been examined under working condition and the result was found satisfactory.
In my opinion this engine merit the favourable consideration of the Committee for to be classed and to have notation of + MC 12.26 inserted in the Register Book.
A 2nd injection valve for circulating pump has been fitted on the vessel when for circulation in the Caen Canal.

It is submitted that
this vessel is eligible for
THE RECORD. + MC 11.26.

Date of build of Engines 1926.

J W D.
21/12/26

The amount of Entry Fee ..3 £ : 3 7 5 :
Special ... 28.57 6030 :
Donkey Boiler Fee ... £ :
Travelling Expenses (if any) £ : 653 :

When applied for, 13 Dec 1926
When received, 25/31 1927

J Hamelin
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 7 JAN 1927

Assigned + MC 11.26

CERTIFICATE WRITTEN

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

If not, state whether, and when, one will be sent?

Is a Report also sent on the Hull of the Ship?

[2m.12.24.—Copyable Ink.]