

Rpt. 4,

REPORT ON MACHINERY.

No. 1832

Date of writing Report 4 October 1922 When handed in at Local Office

Received at London Office

Port of Harre

FRI. OCT. 6 1922

No. in Survey held at Caen
Reg. Book.

Date, First Survey 6 June

Last Survey 23 September 1922

on the s/s. Capitaine Henri Ballier

(Number of Visits 5)

Tons { Gross
Net

Master L

Built at Caen

By whom built Chantiers Navals Francais

When built 1922

Engines made at St Denis

By whom made Ateliers et Chantiers de la Loire

when made 1921

Boilers made at St Denis

By whom made Ateliers et Chantiers de la Loire

when made 1922

Registered Horse Power

235

Owners French Government

Port belonging to Harre

Nom. Horse Power as per Section 28 215.5

Is Refrigerating Machinery fitted for cargo purposes no

Is Electric Light fitted yes

ENGINES, &c.—Description of Engines See separate Report Paris n° 6

No. of Cylinders

No. of Cranks

Dia. of Cylinders

Length of Stroke

Revs. per minute

Dia. of Screw shaft

as per rule
as fittedMaterial of
screw shaft

Is the screw shaft fitted with a continuous liner the whole length of the stern tube 2 lines

Is the after end of the liner made water tight

in the propeller boss

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 a plastic material insoluble in water and non-corrosive

If two

liners are fitted, is the shaft lapped or protected between the liners

Length of stern bush

Dia. of Tunnel shaft

as per rule
as fitted

Dia. of Crank shaft journals

as per rule
as fitted

Dia. of Crank pin

Size of Crank webs

Dia. of thrust shaft under

collars

Dia. of screw

Pitch of Screw

No. of Blades

State whether moveable

Total surface

No. of Feed pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

No. of Bilge pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

No. of Donkey Engines 1

Sizes of Pumps 110 mm - 518 mm - Suction 60 mm

No. and size of Suctions connected to both Bilge and Donkey pumps

In Engine Room 1 each side

30 mm = 3.54"

In Holds, &c. 1 each side each hold 70 mm = 2.75"

No. of Bilge Injections 1

sizes 1 1/2"

Connected to condenser, or to circulating pump yes

Is a separate Donkey Suction fitted in Engine room & size yes 90 mm = 3.54"

Are all the bilge suction pipes fitted with roses yes

Are the roses in Engine room always accessible yes

Are the sluices on Engine room bulkheads always accessible none

Are all connections with the sea direct on the skin of the ship recess fitted

Are they Valves or Cocks

Valves

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes

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 spigot

What pipes are carried through the bunkers bilges and ballasts suction

How are they protected

wood casing

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges yes

Is the Screw Shaft Tunnel watertight yes

Is it fitted with a watertight door yes

worked from

from deck

BOILERS, &c.—(Letter for record (S))

Manufacturers of Steel

See separate report Paris n° 10 & 11

Total Heating Surface of Boilers 4359

Is Forced Draft fitted no

No. and Description of Boilers 3 SB

Working Pressure 14 kg

199 lb

Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately yes

Area of fire grate in each boiler 41 ft.

No. and Description of Safety Valves to

each boiler 1 double spring

Area of each valve 23.88 sq ft

Pressure to which they are adjusted 14 kg 199 lb

Are they fitted with easing gear yes

Smallest distance between boilers or uptakes and bunkers or woodwork 2 m 25

Mean dia. of boilers

Length

Material of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

Per centages of strength of longitudinal joint

rivets
plate

Working pressure of shell by rules

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each boiler

Material

Outside diameter

Length of plain part

top
bottom

Thickness of plates

crown
bottom

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

Top

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Area at smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space:

Material

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Material of stays

Area at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of Lower back plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide water spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and

thickness of girder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

Working pressure by rules

Steam dome: description of joint to shell

% of strength of joint

Diameter

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet holes

Pitch of rivets

Working pressure of shell by rules

Crown plates

Thickness

How stayed

SUPERHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

Date of Test

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve

Pressure to which each is adjusted

Is Easing Gear fitted

003549-003555-0032

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Lloyd's Register

Foundation

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

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

6 June — 13 June — 26 July — 7 August — 23 Sept.

Is the approved plan of main boiler forwarded herewith

“ “ “ donkey “ “ “

Dates of Examination of principal parts—Cylinders

Slides

Covers

Pistons

Rods

Connecting rods

Crank shaft

Thrust shaft

Tunnel shafts

Screw shaft

Propeller

Stern tube 6 June Steam pipes tested

Engine and boiler seatings 26 July

Engines holding down bolts 7 August

Completion of pumping arrangements 15 Sept

Boilers fixed 26 July

Engines tried under steam 23 Sept.

Completion of fitting sea connections 17 June

Stern tube 17 June

Screw shaft and propeller 17 June

Main boiler safety valves adjusted 5 and 9 September Thickness of adjusting washers

Material of Crank shaft steel Identification Mark on Do. R

Material of Thrust shaft R Identification Mark on Do. R

Material of Tunnel shafts steel Identification Marks on Do. R

Material of Screw shafts R Identification Marks on Do. R

Material of Steam Pipes steel

Test pressure 42 lbs 600 lbs.

Is an installation fitted for burning oil fuel no

Is the flash point of the oil to be used over 150°F. X

Have the requirements of Section 49 of the Rules been complied with X

Is this machinery duplicate of a previous case yes

If so, state name of vessel Marie Louise agrandie.

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

The erection on board has been surveyed the workmanship is good. The main engine, boilers and auxiliaries have been tried on sea and the work found very satisfactory. This vessel merit in my opinion the consideration of the Committee for to have notation of X L.M.C. 9.22 — inserted in the Register Book.

It is submitted that this vessel is eligible for THE RECORD. + LMC 9.22.

J.W.D. 9/10/22. C.W.D.

The amount of Entry Fee ... £ : 232

When applied for.

Special ... £ : 580

4 October 1922

Donkey Boiler Fee ... £ : 155

When received.

Travelling Expenses (if any) £ : 130

Saturday and Sunday attendance

TUE. 24 OCT. 1922

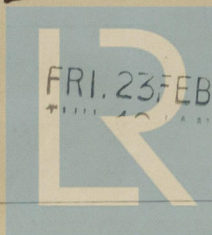
Committee's Minute

Assigned

+ L.M.C. 9.22

MACHINERY SENT WRITTEN.

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



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FRI. 23 FEB. 1923

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