

REPORT ON MACHINERY.

Received at London Office

FRI. OCT. 6 1922

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

Port of Harre

No. in Survey held at Caen
Reg. Book.

Date, First Survey 6 June

Last Survey 23 September 1922

on the S/S. Capitaine Henri Rollier

(Number of Visits 5)

Tons { Gross
Net

Master L Built at Caen

By whom built Chantiers Navals Francais When built 1923

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 Material of screw shaft as fitted

Is the screw shaft fitted with a continuous liner the whole length of the stern tube 2 liners 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 Dia. of Crank shaft journals as per rule 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 D=110^{mm} S=180^{mm} Suction 50^{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 1.75^{mm} Connected to condenser, or to circulating pump yes Is a separate Donkey Suction fitted in Engine room & size yes 90^{mm}

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 access 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} 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 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 Thickness of plates crown 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

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 - 9 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 9 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 12 1/2 600lb.

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. [Signature]
 9/10/22.

The amount of Entry Fee ... £ : 232: When applied for.
 Special ... £ : 580: 4 October 1922
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : 155: When received.
 Saturday and Sunday attendance 130: 24/11/22
 TUE. 24 OCT. 1922

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

+ Lmb. 9.22

MACHINERY SECT. WRITTEN.



© 2020

FRI. 23 FEB. 1923

Lloyd's Register Foundation

Certificate (if required) to be sent to
 The Surveyors are requested not to write on or below the space for Committee's Minute.