

REPORT ON MACHINERY.

No. 6
WED. DEC. 14 1921

Received at London Office

Port of Paris
Date, First Survey 19/11/20 Last Survey 8/8/1921
Engine No 2286 for "Marie Louise agrandie" Type Vessels (No 12 to 19) Tons
Built at Caen By whom built Chantiers Navals Français when built 1921
Engines made at S. Denis By whom made Ateliers & Chantiers de la Loire when made 1921
Boilers made at By whom made
Registered Horse Power Owners French Government Port belonging to
Nom. Horse Power as per Section 28 235,5 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

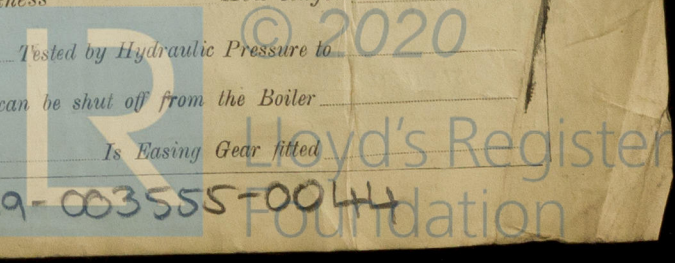
Engines, &c.—Description of Engines Triple Expansion No. of Cylinders 3 No. of Cranks 3
Dia. of Cylinders 460-760-1280 Length of Stroke 960 Revs. per minute 90 Dia. of Screw shaft as per rule 296 Material of Steel
the screw shaft fitted with a continuous liner the whole length of the stern tube No Is the after end of the liner made water tight
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 a plastic material insoluble in water and non-corrosive If two
ers are fitted, is the shaft laid or protected between the liners Yes Length of stern bush 1m 17
Dia. of Tunnel shaft as per rule 248 Dia. of Crank shaft journals as per rule 264 Dia. of Crank pin 264 Size of Crank webs 165 Dia. of thrust shaft under
Diameters 264 Dia. of screw 4m 15 Pitch of Screw 3m 510 No. of Blades 4 State whether moveable No Total surface 6m 2 85
No. of Feed pumps 2 Diameter of ditto 65 Stroke 480 Can one be overhauled while the other is at work Yes
No. of Bilge pumps 2 Diameter of ditto 65 Stroke 480 Can one be overhauled while the other is at work Yes
No. of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
Engine Room In Holds, &c.

No. of Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size
Are all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
Are all connections with the sea direct on the skin of the ship Are they Valves or Cocks
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
How are they protected
What pipes are carried through the bunkers
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
Is the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

BOILERS, &c.—(Letter for record) Manufacturers of Steel
Total Heating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers
Working Pressure 14 kg Tested by hydraulic pressure to Date of test No. of Certificate
Can each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
each boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
Smallest distance between boilers or uptakes and bunkers or woodwork 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
bottom Thickness of plates bottom
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 End plates in steam space:
Material of stays Area at smallest part Area supported by each stay Working pressure by rules Material of stays
Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of Front plates at bottom
Area at smallest part Area supported by each stay Working pressure by rules Working pressure of plate by rules
Thickness Material of Lower back plate Thickness Greatest pitch of stays Mean pitch of stays
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

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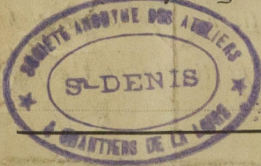
IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:— 1 Connecting rod top end cap, 1 connecting rod top end half bearing, 2 connecting rod bottom end cap, 2 connecting rod bottom end half bearing, 2 connecting rod top end bolts, 2 connecting rod bottom end bolts, 2 main bearing bolts, 6 Shaft coupling bolts, 4 bilge pump valves, 4 seats for same, 4 feed pump valves, 4 seats for same, 2 HP piston rings, 2 IP piston rings, 2 LP piston rings, 39 condenser tubes with 78 ferrules, 1 propeller.

The foregoing is a correct description,

Ateliers & Chantiers de la Loire
Le Directeur,



For

Manufacturer.

Dates of Survey while building { During progress of work in shops - - 19/11/20 - 20/12/20 - 10/2/21 - 21/3/21 16/3/21 15/4/21 26/4/21 24/5/21 4/6/21 - 26/7/21
During erection on board vessel - - -
Total No. of visits

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders { 19/11/20 20/12/20 21/2/21 Slides ditto Covers ditto Pistons { 10/2/21 21/2/21 Rods ditto
Connecting rods ditto Crank shaft { 16/3/21 24/5/21 Thrust shaft 24/5/21 Tunnel shafts 24/5/21 Screw shaft 24/5/21 Propeller 24/5/21
Stern tube Steam pipes tested Engine and boiler seatings Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections Stern tube Screw shaft and propeller

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Steel Identification Mark on Do. R Material of Thrust shaft Steel Identification Mark on Do. R

Material of Tunnel shafts Steel Identification Marks on Do. R Material of Screw shafts Steel Identification Marks on Do. R

Material of Steam Pipes Test pressure

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 Section 49 of the Rules 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.)

This engine has been constructed under special survey at the Shops of the "Ateliers & Chantiers de la Loire at S. Denis, in accordance with approved plans; The materials and workmanship are good and satisfactory. The materials have been tested to our satisfaction.

This engine is intended to be placed on board of one of the vessels Nos 12 to 19 built at Chantiers Navals Français under the Special Survey of the Society's Surveyor at Caen.

The present report is to be completed:—

- 1) As regards machinery, by the Society's Surveyor at Caen.
- 2) As regards Boilers, which are being constructed by Messrs Ateliers & Chantiers de la Loire at S. Denis, by the Paris Office, when the boilers will be completed.

The amount of Entry Fee ... £ : : When applied for,
Special 23-11-0 8 Dec. 19 21
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ 220.00 23/3/22

Committee's Minute

Assigned

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 23 FEB. 1923

TUE. 24 OCT. 1922



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