

REPORT ON MACHINERY.

No. 13
W.D. & H.O. WILLS, LTD.
LONDON, E.C. 4
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Received at London Office

Survey Report **19th Aug 22** When handed in at Local Office **25th Aug 22** Port of **Paris**
Survey held at **S. Denis s/ Seine** Date, First Survey **19th/11/20** Last Survey **9/8/1922**
on the **Engine No 2289 for "Type Marie-Louise Agnondi" (Ruels) (12th/11/20)** (Number of Visits **11**)
Built at **Caen** By whom built **Chantiers Navals S.** When built **1920-21-22**
Size of made at **S. Denis s/ Seine** By whom made **Citelliers, Chantiers de la Loire** when made **1922**
made at By whom made when made
Horse Power **192** Owners **French Government** Port belonging to
Horse Power as per Section 28 **235.5** Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

VES, &c.—Description of Engines **Triple expansion** No. of Cylinders **3** No. of Cranks **3**
Cylinders **460-760-1280** Length of Stroke **960** Revs. per minute **90** Dia. of Screw shaft as per rule **296** Material of **Steel**
as fitted **296** screw shaft
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
If the liner does not fit tightly at the part
If the liner is in more than one length are the joints burned
If the liner does not fit tightly at the part
the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive
If two
is the shaft lapped or protected between the liners **Yes** Length of stern bush **15 1/2**
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
as fitted **248** as fitted **264** **540**
Dia. of screw **4 1/2** Pitch of Screw **3 1/2** No. of Blades **4** State whether moveable **No** Total surface **6 7/8**
ed pumps **2** Diameter of ditto **65** Stroke **480** Can one be overhauled while the other is at work **Yes**
lge pumps **2** Diameter of ditto **65** Stroke **480** Can one be overhauled while the other is at work **Yes**
Monkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
e Room In Holds, &c.

ge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size
e bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
connections with the sea direct on the skin of the ship Are they Valves or Cocks
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
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
es are carried through the bunkers How are they protected

Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

RS, &c.—(Letter for record) Manufacturers of Steel

ating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers
Pressure Tested by hydraulic pressure to Date of test No. of Certificate
boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates
Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
ages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell
plate Working pressure of shell by rules
compensating ring No. and Description of Furnaces in each boiler Material Outside diameter
of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings
bottom Thickness of plates bottom
pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:
Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
cross wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
s of girder at centre Length as per rule Distance apart Number and pitch of stays in each
g pressure by rules Steam dome: description of joint to shell % of strength of joint
Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
of rivets Working pressure of shell by rules Crown plates Thickness How stayed

ERHEATER. 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

003006-003012-0174

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IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

Connecting rod top end cap, 1 connecting rod bottom end cap, 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 H.P. piston rings, 2 I.P. piston rings, 2 I.P. piston rods, 39 condenser tubes with 78 ferrules, 1 propeller.

The foregoing is a correct description,



LE SOUS-DIRECTEUR

St. Denis

Ateliers & Chantiers de la Loire
Manufacturer.

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

19/11/20 - 20/12/20 - 21/2/21 - 16/3/21 - 15/4/21 - 34/5/21 - 4/8/21
15/9/21 - 21/4/22 - 9/8/22

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders 16/3/21 Slides 16/3/21 Covers 16/3/21 Pistons 19/11/20
Connecting rods ditto Crank shaft ditto Thrust shaft 15/9/21 Tunnel shafts 15/9/21 Screw shaft 15/9/21 Propeller 15/9/21

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 supervision at the works of the Chantiers & Ateliers de la Loire at St. Denis in accordance with approved plans. The materials and workmanship are good and satisfactory. The materials have been tested to our satisfaction.

The engine is intended to be placed on board of the vessels Nos 12 to 18, built at Chantiers Navals Français. 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

2. As regards boilers, which have been constructed

the Chantiers & Ateliers de la Loire, St. Denis, and surveyed by the Paris Office, reports on which have already been sent to the Committee (Nos 9, 10, 11).

The amount of Entry Fee ... £ : :
Special ... £ 23-11/- : :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ 230 : :
When applied for, 19/8/1922
When received, 31.8.22

Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

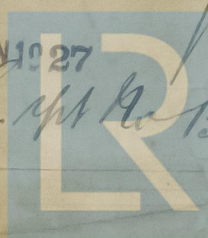
FRI, 7 JAN 1927

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Assigned

Not for classing Committee

See Caen 12. 1/11/22 133



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