

REPORT ON MACHINERY.

No. 5167

Port of *Marseilles*

Received at London Office *MON APR 12 1920*

Survey held at *Newcastle and Marseilles* Date, first Survey *22nd Dec. 1919* Last Survey *April 1st 1920*

the *Steamer War Halton Now named Saint Tropez* (Number of Visits *15*)

Built at *Toronto* By whom built *Polson Iron Works Ltd* Tons { Gross *2251.63* Net *1352.97* When built *1919*

at *Toronto* By whom made *Polson Iron Works Ltd* when made *1918*

at *do* By whom made *do* when made *1918*

Power *114 P. 1250 H.P. 144.5* Owners *Soc Francaise d'Armement* Port belonging to *Marseilles*

Power as per Section 28 *413.276* Is Refrigerating Machinery fitted *No* Is Electric Light fitted *Yes*

Engines *Triple expansion Surface condensing* No. of Cylinders *3* No. of Cranks *3*

Dimensions *20 1/2 - 33 - 54* Length of Stroke *36* Revs. per minute *85* Dia. of Screw shaft *11 1/2* Material of screw shaft *Steel*

shaft fitted with a continuous liner the whole length of the stern tube *Yes* Is the after end of the liner made water tight

eller boss *Yes* If the liner is in more than one length are the joints burned *Yes* If the liner does not fit tightly at the part

bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive *Yes* If two

fted, is the shaft lapped or protected between the liners *Yes* Length of stern bush *3'-6"*

el shaft as per rule *10 1/4* Dia. of Crank shaft journals as per rule *10 1/4* Dia. of Crank pin *11* Size of Crank webs *21 x 8 x 3 1/2* Dia. of thrust shaft under

3/4 Dia. of screw *12 1/2* Pitch of screw *14.5* No. of blades *4* State whether moveable *No* Total surface *68.5*

pumps *2* Diameter of ditto *12 x 7* Stroke *12* Simple Can one be overhauled while the other is at work *Yes*

pumps *2* Diameter of ditto *6 x 5 1/2* Stroke *6* Duplex Can one be overhauled while the other is at work *Yes*

Engines *2 Ballast & Sanitary* Sizes of Pumps *7 1/2 x 7 x 10 - 5 1/2 x 4 3/4 x 5* Duplex No. and size of Suctions connected to both Bilge and Donkey pumps

room *2 - 3.2 Diameter* In Holds, &c. *Apt 3 - 3.2 Jow 2 - 3.2*

jections *1* sizes *6" dia* Connected to *condenser, or to circulating pump* *Yes* Is a separate donkey suction fitted in Engine room & size *Yes. 3.2*

ge 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*

ctions with the sea direct on the skin of the ship *No* Are they Valves or Cocks *Valves except Boiler Blow-downs*

d sufficiently high on the ship's side to be seen without lifting the stokehold plates *No* Are the discharge pipes above or below the deep water line *below*

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 *Yes*

are carried through the bunkers *Which exhaust through bridge* How are they protected *Asbestos cotton*

s, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times *Yes*

e suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges *Yes*

stern tube, propeller, screw shaft, and all connections examined in dry dock *Dec. 22 1919* Is the screw shaft tunnel watertight *Yes*

with a watertight door *Yes* worked from *line of Weather deck*

, &c.— (Letter for record *(S)* Total Heating Surface of Boilers *2173 sq. ft each* Is forced draft fitted *Yes*

scription of Boilers *2 return tube Multitubular* Working Pressure *180 lbs* Tested by hydraulic pressure to *✓*

Can each boiler be worked separately *Yes* Area of fire grate in each boiler *57.75 sq. ft* No. and Description of safety valves to

2 Spring loaded Area of each valve *3.5 dia* Pressure to which they are adjusted *✓* Are they fitted with easing gear *Yes*

nce between boilers or uptakes and bunkers *6"* Mean dia. of boilers *14'* Length *12.1'* Material of shell plates *Steel*

12 Range of tensile strength *✓* Are they *flanged ends* Descrip. of riveting: cir. seams *double* long. seams *treble*

rivet holes in long. seams *1 3/8"* Pitch of rivets *9"* Lap of plates or width of butt straps *20 5/8"*

of strength of longitudinal joint rivets *90.3* Working pressure of shell by rules *205 lbs.* Size of manhole in shell *16" x 12"*

insulating ring *End plates flanges* No. and Description of Furnaces in each boiler *3 Corrugated* Material *Steel* Outside diameter *46.5"*

in part top Thickness of plates crown *5"* Description of longitudinal joint *✓* No. of strengthening rings *✓*

sure of furnace by the rules *216 lbs* Combustion chamber plates: Material *Steel* Thickness: Sides *1 1/8"* Back *9 1/8"* Top *1 1/8"* Bottom *1 1/8"*

to ditto: Sides *6.5"* Back *6"* Top *6.5"* If stays are fitted with nuts or riveted heads *Riveted* Working pressure by rules *288 lbs sides*

stays *Steel* Diameter at smallest part *1 1/4"* Area supported by each stay *36" back* Working pressure by rules *227 lbs* End plates in steam space:

Thickness *7/8 double* Pitch of stays *15 1/2"* How are stays secured *Nuts outside* Working pressure by rules *322 lbs* Material of stays *Steel*

smallest part *2 7/8"* Area supported by each stay *217"* Working pressure by rules *311 lbs* Material of Front plates at bottom *Steel*

Material of Lower back plate *Steel* Thickness *1 3/8"* Greatest pitch of stays *12 1/2"* Working pressure of plate by rules *369 lbs*

tubes *2 3/4"* Pitch of tubes *3 5/8"* Material of tube plates *Steel* Thickness: Front *3/4"* Back *3/4"* Mean pitch of stays *9"*

wide water spaces *13 3/4"* Working pressures by rules *248 lbs* Girders to Chamber tops: Material *Steel* Depth and

girder at centre *12" x 5 1/8"* Length as per rule *✓* Distance apart *9 1/8" Centre* Number and pitch of Stays in each *4 x 6 1/8"*

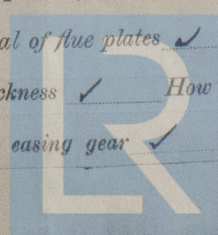
ssure by rules *269 lbs* Superheater or Steam chest; how connected to boiler *None* Can the superheater be shut off and the boiler worked

Diameter *✓* Length *✓* Thickness of shell plates *✓* Material *✓* Description of longitudinal joint *✓* Diam. of rivet

Pitch of rivets *✓* Working pressure of shell by rules *✓* Diameter of flue *✓* Material of flue plates *✓* Thickness *✓*

h rings *✓* Distance between rings *✓* Working pressure by rules *✓* End plates: Thickness *✓* How stayed *✓*

asure of end plates *✓* Area of safety valves to superheater *✓* Are they fitted with easing gear *✓*



Lloyd's Register Foundation

DONKEY BOILER— No. *None* Description _____

Made at _____ By whom made _____ When made _____ Where fixed _____

Working pressure _____ tested by hydraulic pressure to _____ No. of Certificate _____ Fire grate area _____ Description of safety valves _____

No. of safety valves _____ Area of each _____ Pressure to which they are adjusted _____ If fitted with easing gear _____ If steam from main _____

enter the donkey boiler _____ Dia. of donkey boiler _____ Length _____ Material of shell plates _____ Thickness _____

strength _____ Descrip. of riveting long. seams _____ Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of _____

Lap of plating _____ Per centage of strength of joint _____ Rivets _____ Thickness of shell crown plates _____ Radius of do. _____ No. of Stays to _____

Dia. of stays _____ Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____

joint _____ Thickness of furnace crown plates _____ Stayed by _____ Working pressure of shell by _____

Working pressure of furnace by rules _____ Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____

SPARE GEAR. State the articles supplied:— *As per rule*

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 s _____

Is the ~~approved~~ plan of main boiler forwarded herewith _____
" " " donkey " " " No

General Remarks (State quality of workmanship, opinions as to class, &c.)
The workmanship is good quality

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

The amount of Entry Fee. *£160.00* : When applied for, *May 3rd 1920*
Special *£190.00* : _____
Donkey Boiler Fee ... £ : _____
Travelling Expenses (if any) £ *60.00* : When received, *Apr. 1st 1920*

Committee's Minute

Assigned

FRI. MAY. 14 1920

FRI. MAY. 28 1920

FRI. JUN. 18 1920

A.P. Jones
Engineer Surveyor to Lloyd's Register of British & Foreign

FRI. MAY. 21 1920

TUE. OCT. 26 1920

FRI. DEC. 31 1920