

REPORT ON BOILERS.

No. 21

Received at London Office

Port of

Paris

When handed in at Local Office

22nd July 1926

Survey held at

Amiens

Date, First Survey

1st July 1926

Last Survey

10th July 1926

(Number of Visits 2)

Gross

Net

on the

Vertical cross tube heating Boiler for the Yard No

Bilbao

By whom built

Cie Guokaldina

Yard No.

When built

By whom made

Engine No.

When made

made at

Amiens

By whom made

Velliet & Lescure

Boiler No.

When made

Port belonging to

VERTICAL DONKEY BOILER.

at Amiens

By whom made Messrs Velliet & Lescure

Boiler No. 2443

When made

1926

Where fixed

facturers of Steel

Fabrique de Fer de Montbauge, Louvroil

Heating Surface of Boiler

10 m²

Is forced draught fitted

No

Coal or Oil fired

oil

Working pressure

6 Kgs

Description of Boilers

by hydraulic pressure to

12 Kgs

Date of test

10/7/26

No. of Certificate

4

of Firegrate in each Boiler

No. and Description of safety valves to each boiler

1 double spring type

of each set of valves per boiler

per rule 38 m dia
as fitted 40 m

Pressure to which they are adjusted

Are they fitted with easing gear

whether steam from main boilers can enter the donkey boiler

Smallest distance between boiler or uptake and bunkers

work

Is oil fuel carried in the double bottom under boiler

Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated

Largest internal dia. of boiler

1 m 380

Height 3 m 90

(overall)

plates: Material

Steel

Tensile strength

45 Kgs per sq. m

Thickness

10 m

the shell plates welded or flanged

Description of riveting: circ. seams

end single rivetted
inter. double rivetted

long. seams double rivetted

of rivet holes in

circ. seams 25 m
long. seams 25 m

Pitch of rivets

65 m
80 m

Percentage of strength of circ. seams

plate 58.5
rivets

of Longitudinal joint

plate 68.7
rivets
combined

working pressure of shell by rules

9 K. 250

Thickness of butt straps

outer
inner

all Crown:

Whether complete hemisphere, dished partial spherical, or flat dished partial spherical

Material

Steel

ile strength

45 Kgs

Thickness

15 m

Radius

1375 m

Working pressure by rules

9 K. 900

Description of Furnace:

Plain, spherical, or dished crown

Material

bricks

Tensile strength

ickness

External diameter

Length as per rule

Working pressure by rules

ch of support stays circumferentially

and vertically

Are stays fitted with nuts or riveted over

iameter of stays over thread

Radius of spherical or dished furnace crown

Working pressure by rule

ickness of Ogee Ring

Diameter as per rule

Working pressure by rule

mbustion Chamber: Material

Steel

Tensile strength

45 K.

Thickness of top plate

15 m

adius if dished

1170 m

Working pressure by rule

7.550

Thickness of back plate

11 m

Diameter if circular

1 m 290

ngth as per rule

1550

Pitch of stays

192 m

Are stays fitted with nuts or riveted over

riveted over

iameter of stays over thread

26 m

Working pressure of back plate by rules

6 Kgs.

be Plates: Material

front
back

Tensile strength

Thickness

Mean pitch of stay tubes in nests

comprising shell, Dia. as per rule

front
back

Pitch in outer vertical rows

Dia. of tube holes FRONT

stay
plain

BACK

stay
plain

each alternate tube in outer vertical rows a stay tube

Working pressure by rules

front
back

orders to combustion chamber tops: Material

Tensile strength

epth and thickness of girder at centre

Length as per rule

istance apart

No. and pitch of stays in each

Working pressure by rule

W438-0295



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Crown stays: Material ☒ Tensile strength ☒ Diameter { at body of stay, ☒ or over threads. ☒
No. of threads per inch ☒ Area supported by each stay ☒ Working pressure by rules ☒
Screw stays: Material ☒ Tensile strength ☒ Diameter { at turned off part, ☒ or over threads. ☒ No. of threads per inch ☒
Area supported by each stay ☒ Working pressure by rules ☒ Are the stays drilled at the outer ends ☒
Tubes: Material ☒ External diameter { plain ☒ stay ☒ Thickness { ☒ ☒
No. of threads per inch ☒ Pitch of tubes ☒ Working pressure by rules ☒
Manhole Compensation: Size of opening in shell plate $280^m \times 380^m$ Section of compensating ring $3600 \text{ sq } ^m$ No. of rivets and diam
of rivet holes $20 @ 22^m$ Outer row rivet pitch at ends 140^m Depth of flange if manhole flanged ☒
Uptake: External diameter 340^m Thickness of uptake plate 13^m
Cross Tubes: No. 4 External diameters { 220^m Thickness of plates 10^m
Have all the requirements of Sections 4 to 23 inclusive for boilers been complied with _____

The foregoing is a correct description,

Velliet Loure

Manufacture

Dates of Survey { During progress of work in shops - $1/7/26 - 10/7/26$
while building { During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith No. 3-2
(If not state date of approval.)

Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler is in good condition. The general workmanship is very good.

Survey Fee $798,-$ When applied for, 27.7 1926
Travelling Expenses (if any) $457,50$ When received, 19

Committee's Minute
Assigned

FRI. 18 MAR 1927

TUES. 14 JUN 1927

FRI. 19 AUG 1927

TUES. 13 SEP 1927

FRI. 21 SEP 1928

TUE. 18 DEC 1928

FRI. 9 DEC 1927

TUES. 17 JAN 1928

Engineer Surveyor to Lloyd's Register of Shipping.

M. Vincent

Rpt. 13.

REPO

Date of writing Report

No. in Survey he
Reg. Book.

on the

Built at

Owners

Electric Light Ins

System of Distrib

Pressure of supply

Direct or Alternat

If alternating curren

Has the Automatic

Generators, do they

are they over compou

Where more than one

series with each shunt

Are all terminals acc

short circuited, or to

Position of Gener

is the ventilation in

if situated near

are their axes of ro

Earthing, are the

their respective gene

Main Switch Bo

a fuse on each insul

Switchboards, are

are they protected fr

woodwork or other

are they constru

permanently high i

with mica or micr

and is the frame of

bars

Main Switchgear

circuit break

each general

Instruments on

Earth Testing,

Switches, Circu

Joint Boxes Se

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