

REPORT ON BOILERS.

No. 4863 A

Received at London Office

FEB. 19 1923

Writing Report 16 February 1923 When handed in at Local Office

192

Port of Havre

Survey held at

Date, First Survey

15 February

Last Survey

192 23

on the

St Boniface

(Number of Visits 7)

Tons { Gross
Net

Built at

By whom built

Yard No.

When built

made at

By whom made

Engine No.

When made

made at

By whom made

Boiler No.

When made

Horse Power

Owners

Port belonging to

Supplementary Report of Havre Report No. 4863

TITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel

(Letter for Record)

Heating Surface of Boilers

233 m² 21

Is forced draught fitted

yes

Coal or Oil fired

oil

Description of Boilers

Working Pressure

by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Firegrate in each Boiler

No. and Description of safety valves to each boiler

each set of valves per boiler

{ per Rule 10683 m²
as fitted 10815 m²

Pressure to which they are adjusted

15

Are they fitted with easing gear

yes

of donkey boilers, state whether steam from main boilers can enter the donkey boiler

no

distance between boilers or uptakes and bunkers or woodwork

no wood

Is oil fuel carried in the double bottom under boilers

yes

distance between shell of boiler and tank top plating

624 m

Is the bottom of the boiler insulated

yes

internal dia. of boilers

Length

Shell plates: Material

Tensile strength

Are the shell plates welded or flanged

Description of riveting: circ. seams { end
inter.Diameter of rivet holes in { circ. seams
long. seams

Pitch of rivets {

age of strength of circ. end seams { plate
rivetsPercentage of strength of circ. intermediate seam { plate
rivetsage of strength of longitudinal joint { plate
rivets
combined

Working pressure of shell by Rules

ss of butt straps { outer
inner

No. and Description of Furnaces in each Boiler

Tensile strength

Smallest outside diameter

of plain part { top
bottomThickness of plates { crown
bottom

Description of longitudinal joint

ions of stiffening rings on furnace or c.c. bottom

Working pressure of furnace by Rules

ates in steam space: Material

Tensile strength

Thickness

Pitch of stays

e stays secured

Working pressure by Rules

ates: Material { front
back

Tensile strength {

Thickness {

itch of stay tubes in nests

Pitch across wide water spaces

Working pressure { front
back

to combustion chamber tops: Material

Tensile strength

Depth and thickness of girder

Length as per Rule

Distance apart

No. and pitch of stays

Working pressure by Rules

Combustion chamber plates: Material

strength

Thickness: Sides

Back

Top

Bottom

stays to ditto: Sides

Back

Top

Are stays fitted with nuts or riveted over

pressure by Rules

Front plate at bottom: Material

Tensile strength

Lower back plate: Material

Tensile strength

Thickness

stays at wide water space

Are stays fitted with nuts or riveted over

Pressure

Main stays: Material

Tensile strength

At body of stay,
or
Over threads

No. of threads per inch

Area supported by each stay

pressure by Rules

Screw stays: Material

Tensile strength

At turned off part,
or
Over threads

No. of threads per inch

Area supported by each stay

005180-005186-0137

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Working pressure by Rules Are the stays drilled at the outer ends Margin stays: Diameter { At turned off part, or Over threads
No. of threads per inch Area supported by each stay Working pressure by Rules
Tubes: Material External diameter { Plain Stay Thickness { No. of threads per inch
Pitch of tubes Working pressure by Rules Manhole compensation: Size of
shell plate Section of compensating ring No. of rivets and diameter of rivet holes
Outer row rivet pitch at ends Depth of flange if manhole flanged Steam Dome: Material
Tensile strength Thickness of shell Description of longitudinal joint
Diameter of rivet holes Pitch of rivets Percentage of strength of joint { Plate Rivets
Internal diameter Working pressure by Rules Thickness of crown No. and
stays Inner radius of crown Working pressure by Rules
How connected to shell Size of doubling plate under dome Diameter of rivet holes
of rivets in outer row in dome connection to shell

Type of Superheater Marine & locomotive Superheater Manufacturers of { Tubes Steel castings
Number of elements 42 per boiler Material of tubes Steel Internal diameter and thickness of tubes 16 7/8" 3 7/8"
Material of headers Steel Tensile strength L Thickness 20 7/8" 6 Can the superheater be
the boiler be worked separately yes Is a safety valve fitted to every part of the superheater which can be shut off from the boiler yes
Area of each safety valve 40 7/8" D Are the safety valves fitted with easing gear yes Working pressure
Rules L Pressure to which the safety valves are adjusted 15 K Hydraulic test
tubes 45 K, castings L and after assembly in place 30 K Are drain cocks or
to free the superheater from water where necessary yes

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with yes.

The foregoing is a correct description,

Dates of Survey { During progress of work in shops - - } Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) 21/3/22
while building { During erection on board vessel - - } Total No. of visits

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

Long axis type Cochran 83 7/8"

Survey Fee ... £ L When applied for, L 192
Travelling Expenses (if any) £ L When received, L 192

Engineer Surveyor to Lloyd's Register of Shipping

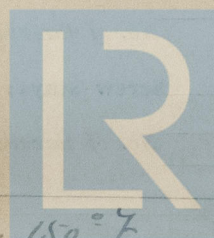
Committee's Minute TUE. 6 MAR. 1923

Assigned

MACHINERY DEPT.
WRITTEN 2-3-23

+ Lmb 2.23
F. D. O. G.

Filed for oil fuel 2.23 40 above 150°F



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