

# REPORT ON BOILERS.

Received at London Office

Date of writing Report

19

When handed in at Local Office

19

Port of

Middlesbrough

No. in

Survey held at

Stockton-on-Tees

Date, First Survey

27th October

Last Survey

24th March 1921

Reg. Book.

in the

Mikage Maru No. 8 (ex. Shakespeare)

(Number of Visits 16)

Gross

Net

Master

Built at

By whom built

When built

Engines made at

By whom made

When made

Boilers made at

Stockton

By whom made

Messrs Thos. Sudron &amp; Co. (No 4454)

When made

1921

Registered Horse Power

Owners

Messrs Lionel S. Taylor &amp; Co.

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Messrs J. Spencer & Sons

(Letter for record (5) ✓)

Total Heating Surface of Boilers

1354 sq ft ✓

Is forced draft fitted

No. and Description of

Boilers

Two, Single Ended ✓

Working Pressure

100 ✓

Tested by hydraulic pressure to

200

Date of test

24-3-21

No. of Certificate

6216

Can each boiler be worked separately

Area of fire grate in each boiler

25 sq ft ✓

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

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

Smallest distance between boilers or uptakes and bunkers or woodwork

External

Mean dia. of boilers

9'0" ✓

Length

10'0" ✓

Material of shell plates

steel ✓

Thickness

9/16" ✓

Range of tensile strength

29-33 ✓

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

single lap long. seams

3 Riv lap

Diameter of rivet holes in long. seams

15/16" ✓

Pitch of rivets

3 9/16" ✓

Lap of plates or width of butt straps

6 1/2" ✓

Per centages of strength of longitudinal joint

ribs 88.3 ✓

Working pressure of shell by

rules

102 ✓

Size of manhole in shell

16" x 12" ✓

Size of compensating ring

5 1/2" x 3 3/4" ✓

No. and Description of Furnaces in each

Boiler

2. Fox's ✓

Material

steel ✓

Outside diameter

32 1/2" ✓

Length of plain part

top ✓

Thickness of plates

crown 3/8" ✓

Description of longitudinal joint

weld ✓

No. of strengthening rings

✓

Working pressure of furnace by the rules

155 ✓

Combustion chamber

plates: Material

steel ✓

Thickness: Sides

9/16" ✓

Back

1/2" ✓

Top

9/16" ✓

Bottom

5/8" ✓

Pitch of stays to ditto: Sides

9 1/2" ✓

Top

9 1/2" ✓

If stays are fitted with nuts or riveted heads

nuts ✓

Working pressure by rules

103 ✓

Material of stays

steel ✓

Area at

smallest part

96 ✓

Area supported by each stay

74.37 ✓

Working pressure by rules

103 ✓

End plates in steam space: Material

steel ✓

Thickness

Pitch of stays

16 1/2" ✓

How are stays secured

nuts &amp; washers ✓

Working pressure by rules

105 ✓

Material of stays

steel ✓

Area at smallest part

Area supported by each stay

264 ✓

Working pressure by rules

105 ✓

Material of Front plates at bottom

steel ✓

Thickness

25/32" ✓

Lower back plate

steel ✓

Thickness

25/32" ✓

Greatest pitch of stays

13 1/2" ✓

Working pressure of plate by rules

163 ✓

Diameter of tubes

3" ✓

Pitch of tubes

4 1/4" ✓

Material of tube plates

steel ✓

Thickness: Front

25/32" ✓

Back

19/32" ✓

Mean pitch of stays

9 1/16" ✓

water spaces

13 1/2" ✓

Working pressures by rules

120 ✓

Girders to Chamber tops: Material

steel ✓

Depth and thickness of

girder at centre

6 1/2" x 1 1/4" ✓

Length as per rule

25 11/32" ✓

Distance apart

9 1/2" ✓

Number and pitch of Stays in each

one ✓

Working pressure by rules

109 ✓

Steam dome: description of joint to shell

none ✓

% 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

The foregoing is a correct description,

THOMAS SUDRON &amp; CO. LIMITED.

(Signed) A. W. Johnston

Manufacturer.

Dates

During progress of

work in shops - - - 1920 Oct. 27. Nov. 16. 22. Dec. 10. 17. 30. Jan. 11. 26. Feb. 7. 15. 22

while

building

board vessel - - - March. 2. 9. 17. 22. 24

Total No. of visits

16

## GENERAL REMARKS

(State quality of workmanship, opinions as to class, &amp;c.)

These boilers have been built under Special Survey, are of good material and workmanship and on completion were tested by hydraulic pressure with satisfactory results

Survey Fee ... .. £

When applied for, .....

19

Travelling Expenses (if any) £

When received, .....

19

Committee's Minute

Assigned

(Signed) Wm Morrison &amp; Wm Bowie

Engineer Surveyors to Lloyd's Register of Shipping.

© 2021

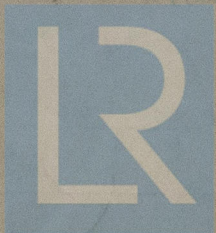
Lloyd's Register Foundation

W1112-0169



RETAIN

RETAIN



© 2021

Lloyd's Register  
Foundation