

# REPORT ON BOILERS.

No. 39807

WED. 5-NOV. 1919

Date of writing Report

191

When handed in at Local Office

1. 11.

191

Port of

Glasgow.

No. in Survey held at

Rengrew.

Date, First Survey

7.3.19.

Last Survey

13.10.

1919.

Reg. Book.

on the

Two Babcock &amp; Wilcox boilers for

Standard H

(Number of Visits 23.)

Gross

2526

Tons

Net

1401

Master

Built at

Chapston

By whom built

The Harbourside S.S. Co. Ltd

When built

1920

Engines made at

Manchester

By whom made

British Westinghouse Co

When made

1919

Boilers made at

Rengrew.

By whom made

Babcock &amp; Wilcox Ltd (496)

When made

1919

Owners

Port belonging to

R BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel

D. Salville Long Stewart &amp; Lloyd.

Total Heating Surface of Boilers

5526 sq ft

Is forced draft fitted

No

No. and Description of

Babcock &amp; Wilcox

Working Pressure

180

Tested by hydraulic pressure to

Steam drums 360 lbs

Date of test

Mud drums 400 lbs

Sections 400 lbs

Can each boiler be worked separately

Area of fire grate in each boiler

84 1/2 sq ft

No. and Description of

Area of each valve

Pressure to which they are adjusted

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

No

boilers or uptakes and bunkers or woodwork

Steam drum 4'-0" Length

13'-3 1/2"

Steel

Thickness

1 1/2"

Range of tensile strength

24/28

Are the shell plates welded or flanged

No

seams D.R. Lap

long. seams

D.R. Lap with inner butt strap

Diameter of rivet holes in long. seams

2 1/2"

Pitch of rivets

3 3/4"

butt straps

5/8" x 1/4"

Per centages of strength of longitudinal joint

rivets 44.5

Working pressure of shell by

of manhole in shell

15" x 11"

Size of compensating ring

2'-4 3/4" x 1'-10 1/2"

No. and Description of Furnaces in each

Material

Outside diameter

Length of plain part

Thickness of plates

crown

bottom

Working pressure of furnace by the rules

Combustion chamber

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Area at

supported by each stay

Working pressure by rules

End plates in steam space: Material

Thickness

How are stays secured

Working pressure by rules

Material of stays

Area at smallest part

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes

3 1/2" x 1 1/2"

Material of tube plates

Steel

Thickness: Front

1 1/2"

Back

Mean pitch of stays

Pitch across wide

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

Length as per rule

Distance apart

Number and pitch of Stays in each

Steam dome: description of joint to shell

% of strength of joint

Mud drum

3/4"

Material

Steel

Description of longitudinal joint

Diam. of rivet holes

Working pressure of shell by rules

Crown plates

Thickness

How stayed

Date of Approval of Plan

Tested by Hydraulic Pressure to

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Pressure to which each is adjusted

Is Easing Gear fitted

The foregoing is a correct description,

Babcock &amp; Wilcox Limited

Manufacturer.

Report No. 39228.

1919. Mar 7-21. Apr 10. May 5-16. 15-26-30.

Is the approved plan of boiler forwarded herewith

Previously

forwarded with Glo. Rpt. 39228

June 6-18. 27-26. July 9-14. Aug 22-25.

Total No. of visits

23.

Sept 8-13. 22-24-30. Oct 2-13.

## REMARKS

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

The boilers have been built under special Survey in accordance with the approved plan. The workmanship and the materials used are of good quality. The Steam drums, mud-drums and sections of tubes & headers have been tested as above. The boiler parts have been despatched to Messrs Linca & Co. Chapston where the boilers will be re-erected on board and tested. The boilers were erected in Shop.

Survey Fee

£ 14

When applied for

191

Travelling Expenses (if any) £

When received

191

Committee's Minute

GLASGOW

4 NOV 1919

Assigned

TRANSMIT TO LONDON

FRI. AUG. 6 1920

FRI. OCT. 15 1920

TUE. NOV. 23 1920

Engineer Surveyor to Lloyd's Register of Shipping.

© 2019

Lloyd's Register Foundation

W498-0120