

REPORT ON BOILERS.

No. 38675
THU. 24 APR. 1919

Received at London Office

of writing Report 12 April 1919 When handed in at Local Office

191 Port of Glasgow

No. in Survey held at Renfrew

Date, First Survey 10 April 1918 Last Survey 9 April 1919

g. Book. on the Three Babcock & Wilcox Boilers

Business No. 13. S. Poona

(Number of Visits 26)

Tons { Gross
Net

ster

Built at

By whom built

When built

Lines made at

By whom made

When made

Boilers made at Renfrew

By whom made Babcock & Wilcox (No. 406)

When made 1919

Registered Horse Power

Owners

Port belonging to

WELTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel D. Colville & Steel Co of Scotland

Number for record 5

Total Heating Surface of Boilers 9636 sq ft

Is forced draft fitted

No. and Description of

Boilers Three Babcock & Wilcox

Working Pressure 200

Tested by hydraulic pressure

SECTIONS 400

STEAM DRUMS 400

HYD DRUMS 700

Date of test

of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler 85 3/4 sq ft

No. and Description of

ty valves to each boiler

Area of each valve

Pressure to which they are adjusted

they fitted with easing gear

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

eldest distance between boilers or uptakes and bunkers or woodwork

INSIDE

Mean dia. of boilers 4'0"

Length 15'1 1/4"

Material of shell plates steel

Thickness 9/16 + 1/16"

Range of tensile strength 28-32 Tons Are the shell plates welded or flanged

crip. of riveting: cir. seams D.R. Lap

long. seams T.R.S. Butt

Diameter of rivet holes in long. seams 29/32"

Pitch of rivets 3.537"

of plates or width of butt straps 7 1/4"

Per centages of strength of longitudinal joint rivets 76.7

plate 74.4

Working pressure of shell by

s 238 Size of manhole in shell 15" x 11"

Size of compensating rings 2" x 28 3/4" x 22 1/4"

No. and Description of Furnaces in each

Material

Outside diameter

Length of plain part top

Thickness of plates crown

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber

Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at

eldest part

Area supported by each stay

Working pressure by rules

End plates in steam space: Material steel Thickness 13/16"

h of stays

How are stays secured

Working pressure by rules 240

Material of stays

Diameter at smallest part

supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of

on back plate steel

Thickness 17/32"

Greatest pitch of stays

Working pressure of plate by rules

Diameter of tubes 1 1/16 + 3 1/16"

h of tubes 2 3/8" - 2 5/8"

Material of tube plates steel

Thickness: Front 1 1/16"

Back

Mean pitch of stays

Pitch across wide

er spaces

Working pressures by rules

Girders to Chamber tops: Material

Depth and thickness of

er at centre

Length as per rule

Distance apart

Number and pitch of Stays in each

king pressure by rules

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

ately

Diameter 2 1/2"

Length

Thickness of shell plates 3/4"

Material steel

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

iffened with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

king pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

Survey request form

The foregoing is a correct description,

Babcock & Wilcox Limited.

Manufacturer.

No. 2167 attached to Gls. Report No 38228.

During progress of (18) April 10. 15. May 6. 15. 22. 30. June 3. 10. 12. July 3. 5. Aug 2. 26. Is the approved plan of boiler forwarded herewith in London Office
work in shops - -
During erection on Sept 12. Oct 2. 11. Dec 6. 13. (1919) Jan 8. 13. 16. Feb 14. 19. 24. April Total No. of visits 26.
board vessel - - -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under special survey in accordance with the approved plans + the Rules of the Society. The workmanship + materials are of good quality. The sections, steam + mud drums have been tested, as above. The boilers have been dispatched in sections to the Furness Shipbuilding Berths, Port Clarence + will be re-erected after erection on the vessel.

Survey Fee ... £ 36 : 4 : When applied for, 12/31 1920
Travelling Expenses (if any) £ : : When received, 26/31 1920

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 23 APR 1919

FRI. 12 MAR. 1920

signed TRANSMIT TO LONDON

