

REPORT ON BOILERS.

No. 39228

Received at London Office THU. 16 OCT. 1919

Date of writing Report 1919 When handed in at Local Office 13/10/19 Port of Glasgow

No. in Survey held at Renfrew Date, First Survey 7/3/19 Last Survey 8/9/19

Reg. Book. on the Two Babcock & Wilcox boilers for (Standard H) (Number of Visits 19) Gross Tons Net

Master Built at By whom built When built

Engines made at By whom made When made

Boilers made at Renfrew By whom made Messrs Babcock & Wilcox (495) When made 1919.

Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~.—Manufacturers of Steel Stewart & Lloyd.

(Letter for record S) Total Heating Surface of Boilers \$526 £ Is forced draft fitted

Boilers Two Babcock & Wilcox. Working Pressure 180 Tested by hydraulic pressure to Sectioning 400 lbs.

No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 84½ ft² No. and Description of safety valves to each boiler

Are they fitted with easing gear 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

Smallest distance between boilers or uptakes and bunkers or woodwork

Material of shell plates S Thickness 1¼" Range of tensile strength 24/28 Are the shell plates welded or flanged No

Description of riveting: cir. seams D.R. Lap long. seams D.R. Lap with Diameter of rivet holes in long. seams 2¼" Pitch of rivets 3¾"

No. of plates or width of butt strap 58" x 4" Per centages of strength of longitudinal joint rivets 74.5

Size of manhole in shell 15" x 11" Size of compensating ring 2¼" x 1¼" x 10" x 8" No. and Description of Furnaces in each

Material — Outside diameter — Length of plain part — 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

Smallest part — Area 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 — Diameter at smallest part —

Area supported by each stay — Working pressure by rules — Material of Front plates at bottom — Thickness — Material of

Heads Steel Thickness 1¼" Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes 3½" x 13"

Pitch of tubes 2¼" x 2½" Material of tube plates S — Thickness: Front — Back — Mean pitch of stays — Pitch across wide

Water spaces — Working pressures by rules — Girders to Chamber tops: Material — Depth and thickness of

Order at centre — Length as per rule — Distance apart — Number and pitch of Stays in each —

Working pressure by rules — Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately. — Diameter — Length — Thickness of shell plates ¾" Material S. Description of longitudinal joint — Diam. of rivet

Plates — Pitch of rivets — Working pressure of shell by rules — Diameter of flue — Material of flue plates — Thickness —

stiffened with rings — Distance between rings — Working pressure by rules — End plates: Thickness — How stayed —

Working pressure of end plates — Area of safety valves to superheater — Are they fitted with easing gear —

Survey request form No. 2245 attached The foregoing is a correct description, Babcock & Wilcox Limited Manufacturer.

Dates During progress of 1919 May 21-27 Apr 10-23 May 15-16 19-21-30 Is the approved plan of boiler forwarded herewith Yes.

while building During erection on June 18-26-27-30 July 7-9 Aug 22-25 Sep 8 Total No. of visits 19.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built

under Special Survey in accordance with the approved plan and the Rules of the Society. The materials and workmanship are good. The Steam drums, mud

drums & Sections have been tested as above. The boilers have been despatched

Messrs Finch & Co. Chepstow where they will be fitted on board and tested.

Survey Fee ... £ 14 : 5 : 9 When applied for, 1919 The boilers have been erected

Travelling Expenses (if any) £ : : When received, 8/9/19 in Shop

Committee's Minute GLASGOW 14 OCT 1919 FRI JUN. 18 1920

Assigned TRANSMIT TO LONDON FRI OCT. 15 1920

TUE JAN. 18 1921

TUE FEB 18 1921

Glo Rpt 39828
17/10/19



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Foundation