

REPORT ON BOILERS.

No. 39291

Received at London Office

WED 72 NOV. 1919

Date of writing Report 10th July 1919 When handed in at Local Office 10 July 1919 Port of Glasgow
 No. in Survey held at Renfrew Date, First Survey 7th March 1916 Last Survey 9th July 1919
 Safeg. Book. on the Two Farrow Type Boilers for H.M.S. "WEXFORD" (Number of Visits 15) Tons } Gross
 } Net
 Master Built at Renfrew By whom built Simons When built
 Engines made at By whom made When made
 Boilers made at Renfrew By whom made Messrs Babcock & Wilcox (392) When made 1919
 Registered Horse Power Owners H.M. Government Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Letter for record 5 Total Heating Surface of Boilers 6990 sq ft Is forced draft fitted Yes No. and Description of Boilers Two Farrow water tube Working Pressure 235 Tested by hydraulic pressure to 353 Date of test 9. 7. 19
 of Certificate 14811 Can each boiler be worked separately Yes Area of fire grate in each boiler 65 sq ft No. and Description of Safety valves to each boiler Two (Boothburn Full Bore) Area of each valve 2.16 sq in Pressure to which they are adjusted
 they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and woodwork Mean dia. of boilers 4'-2" Length 9'-6"
 Material of shell plates Steel Thickness 5/8" x 1/2" Range of tensile strength 26/30 28/32 Are the shell plates welded or flanged No
 Description of riveting: cir. seams D.R. Lap long. seams DRDBS Diameter of rivet holes in long. seams 2 1/32" Pitch of rivets 3 9/16"
 Width of butt straps 8 1/4" Per centages of strength of longitudinal joint rivets 86.9 Working pressure of shell by rules 4.5
 Size of manhole in 2nd 16" x 12" Size of compensating ring Flanged No. and Description of Furnaces in each
 Material None Outside diameter ✓ Length of plain part ✓ Thickness of plates ✓ crown ✓ bottom ✓
 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 Steel Thickness 15/16" x 1/16"
 How are stays secured ✓ Working pressure by rules 245 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
 Front back plate ✓ Thickness ✓ Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes 1 1/8" x 1 1/2" x 1 3/8"
 of tubes 1 1/16" x 2 1/16" Material of tube plates Steel Thickness: Front 1 1/2" Back 1 1/2" 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 ✓
 Working pressure by rules ✓ Superheater or Steam chest: how connected to boiler ✓ Can the superheater be shut off and the boiler worked
 Diameter 2'-5 1/8" Length 9'-3" Thickness of shell plates 5/8" x 1/2" Material Steel Description of longitudinal joint DRDBS Diam. of rivet
 Pitch of rivets 3 1/32" Working pressure of shell by rules 323 Diameter of flue ✓ Material of flue plates ✓ Thickness ✓
 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 ✓

The foregoing is a correct description,
 Babcock & Wilcox Limited.
 W. Donald, Manufacturer.

attached to Glasgow Rpt No 39246.
 During progress of work in shops: 1918 Mar. 7, Apr. 15, May 15, 27, 30, June 10, 12, 1919 Aug. 2, Sept. 12, Dec. 9, 1919 Jan. 13, May 13, July 7, 9.
 Is the approved plan of boiler forwarded herewith Approved
 Plan in London Office
 Total No. of visits 15.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under special Survey in accordance with the approved drawing & the Rules of the Society. The workmanship & materials are of good quality.

Survey Fee ... £ ... When applied for, ... 191
 Travelling Expenses (if any) £ ... When received, ... 191
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 H. H. Fraser

Committee's Minute GLASGOW 11 NOV 1919
 Signed See accompanying machinery report.
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 009757-009770-0048