

## REPORT ON BOILERS.

No. 39126

WED. MAY 28 1920

Andb 7.8. 10665.

Writing Report 2/9/1919 When handed in at Local Office 13/9/1919 Port of Glasgow  
 No. in Survey held at Renfrew Date, First Survey 10/4/1918 Last Survey 25/4/1919  
 Reg. Book. on the Three Babcock & Wilcox Boilers for (W. Standard)  
 Master Built at By whom built When built  
 Engines made at By whom made When made  
 Boilers made at Renfrew By whom made Babcock & Wilcox Ltd (404) When made 1919.  
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel S. Colvile &amp; Sons, Steel Coy. of Scotland

Letter for record S Total Heating Surface of Boilers 9636 sq ft Is forced draft fitted  
 Boilers Three Babcock & Wilcox Working Pressure 200 Tested by hydraulic pressure to Sections 1 Steam drums 3400 lbs Date of test  
 No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler 85 3/4 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 Int. Steam drum 4'-0" Length 15'-1 1/4"  
 Material of shell plates Steel Thickness 9/16" + 1 1/16" Range of tensile strength 28/32 Are the shell plates welded or flanged No  
 Descrip. of riveting: cir. seams D.R. Lap long. seams T.R. S.B. Diameter of rivet holes in long. seams 29/32" Pitch of rivets 3-53 1/4"

Lap of plates or width of butt straps 4 1/4" Per centages of strength of longitudinal joint rivets 7/16-4 Working pressure of shell by  
 Rules 238 Size of manhole in shell 15" x 11" Size of compensating ring 28 3/4" x 22 1/4" x 1/8" No. and Description of Furnaces in each  
 boiler — 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

plates: Material — Thickness: Sides — Back — Top — Bottom — Pitch of stays to ditto: Sides — Back —  
 top — 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 S Thickness 13/16"

Pitch of stays — How are stays secured — Working pressure by rules 240 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  
 Headers Steel Thickness 1 1/4" Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes 13 1/16" + 13 1/16"

Pitch of tubes 2 3/8" x 2 5/8" Material of tube plates Steel Thickness: Front 1 1/16" Back — Mean pitch of stays — Pitch across wide  
 inter spaces — Working pressures by rules — Girders to Chamber tops: Material — Depth and thickness of  
 girder 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 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 —

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 2164 attached to Gls Report No. 38 228  
 The foregoing is a correct description,  
 Babcock & Wilcox Limited, Manufacturer.

Is the approved plan of boiler forwarded herewith in London office.  
 Approved plan

During progress of 1918. Apr 10-15 May 6-15-22-30 June 3-10-12 July 5 Aug 2-6 Is the approved plan of boiler forwarded herewith in London office.  
 During erection on board vessel - - - 11-12 Oct 2-11 Dec 6-13-26 1919 Jan 22 Feb 14-19-24 Apr 15 Total No. of visits 24

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under  
 survey in accordance with the approved plans & the rules of the Society.  
 workmanship & materials are of good quality throughout. The sections, Steam  
 and drums have been tested as above. The boilers have been erected in the shop.  
 have now been despatched to Messrs. Parsons, Port Glasgow & will be re-tested  
 after re-erection on board the vessel

Survey Fee ... £ 36 = 4 = 6 When applied for, 11/5/1919 20/11/1919  
 Travelling Expenses (if any) £ : : When received, 29/5/1919 20/11/1919

Committee's Minute GLASGOW 16 SEP. 1919  
 TRANSMIT TO LONDON

FRI. MAY. 7 1920  
 009267 - 009277 - 0204

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

Lloyd's Register Foundation