

REPORT ON BOILERS.

No. 38662

Received at London Office

5a.

of writing Report 29th March 1919 When handed in at Local Office 101 Port of Glasgow
 Date, First Survey 10-4-18 Last Survey 24-2-1919
 in Survey held at Glasgow (Number of Visits 24) Gross Tons ✓
 Book. on the Three Babcock + Wilcox Boilers Net Tons ✓
 Built at ✓ By whom built ✓ When built ✓
 By whom made ✓ When made ✓
 By whom made Babcock + Wilcox (No 405) When made 1919
 Owners ✓ Port belonging to ✓
 Registered Horse Power ✓

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Bolton & Sons & Steel Co. of Scotland
 Matter for record S. Total Heating Surface of Boilers 9636 sq ft Is forced draft fitted Yes (Closed Stoker) No. and Description of
 Boilers Three Babcock + Wilcox Working Pressure 200 Tested by hydraulic pressure to 400 Date of test ✓
 of Certificate ✓ Can each boiler be worked separately ✓ Area of fire grate in each boiler 85 1/4 sq ft No. and Description of
 Area of each valve ✓ Pressure to which they are adjusted ✓
 Area of each valve ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
 Area of each valve ✓ Inside Mean dia. of 4' 0" Length 15' 1 1/4"
 Area of each valve ✓ Material of shell plates steel Thickness 7/16 + 1/16 Range of tensile strength 28-32 Are the shell plates welded or flanged ✓
 Area of each valve ✓ Descrip. of riveting: cir. seams D.R. Lap long. seams T.R.S. Butt Diameter of rivet holes in long. seams 3/32 Pitch of rivets 3.537"
 Area of each valve ✓ Width of butt straps 7 1/4" Per centages of strength of longitudinal joint 76.7 Working pressure of shell by
 Area of each valve ✓ Size of manhole in shell 15" x 11" Size of compensating ring 7/8" x 28 3/4" x 22 1/4" No. and Description of Furnaces in each
 Area of each valve ✓ Material ✓ Outside diameter ✓ Length of plain part ✓ Thickness of plates ✓
 Area of each valve ✓ No. of strengthening rings ✓ Working pressure of furnace by the rules ✓ Combustion chamber
 Area of each valve ✓ Material ✓ Thickness: Sides ✓ Back ✓ Top ✓ Bottom ✓ Pitch of stays to ditto: Sides ✓ Back ✓
 Area of each valve ✓ If stays are fitted with nuts or riveted heads ✓ Working pressure by rules ✓ Material of stays ✓ Diameter at
 Area of each valve ✓ Smallest part ✓ Area supported by each stay ✓ Working pressure by rules ✓ End plates in steam space: Material Steel Thickness 1 1/16"
 Area of each valve ✓ Pitch of stays ✓ How are stays secured ✓ Working pressure by rules 240 Material of stays ✓ Diameter at smallest part ✓
 Area of each valve ✓ Area supported by each stay ✓ Working pressure by rules ✓ Material of Front plates at bottom ✓ Thickness ✓ Material of
 Area of each valve ✓ Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes 1 1/16" - 3 15/16"
 Area of each valve ✓ Pitch 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
 Area of each valve ✓ Working pressures by rules ✓ Girders to Chamber tops: Material ✓ Depth and thickness of
 Area of each valve ✓ Girder at centre ✓ Length as per rule ✓ Distance apart ✓ Number and pitch of Stays in each ✓
 Area of each valve ✓ Working pressure by rules ✓ Superheater or Steam chest: how connected to boiler ✓ Can the superheater be shut off and the boiler worked
 Area of each valve ✓ Diameter ✓ Thickness of 3/4" Material steel Description of longitudinal joint ✓ Diam. of rivet
 Area of each valve ✓ Pitch of rivets ✓ Working pressure of shell by rules ✓ Diameter of flue ✓ Material of flue plates ✓ Thickness ✓
 Area of each valve ✓ If stiffened with rings ✓ Distance between rings ✓ Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓
 Area of each valve ✓ Working pressure of end plates ✓ Area of safety valves to superheater ✓ Are they fitted with easing gear ✓

The foregoing is a correct description,
 Survey request form Babcock & Wilcox Ltd. Manufacturer.
 No. 2164 To Lds Rpt No 38228
 Dates of Survey 1918: April 10-15, May 6-15, 22-30, June 3-10 Is the approved plan of boiler forwarded herewith ✓
 while building July 5, Aug 2-26, Sept 12, Oct 2-11, 22, Nov 21 Total No. of visits 24
Dec 2-17, 19, 24-26, (1919) Jan 16-24

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 throughout. The sections, steam
& mud drums, have been tested as above. The boilers have been dispatched
in sections to meet the Tunnar S.B. Co Port Clarence & will be retested on board
the vessel
 Survey Fee £36 = 7-4 When applied for, 11/5/20 from Ldn
 Travelling Expenses (if any) £ When received, 20/5/20 from Ldn

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 Committee's Minute GLASGOW 15 APR 1919 FRI MAY. 14 1920
 Assigned TRANSMIT TO LONDON
 W1571-0180