

REPORT ON BOILERS.

No. 38445

Received at London Office

5a.

Writing Report 3rd May 1919 When handed in at Local Office 17.5. 1919 Port of Glasgow THU. 22 MAY. 1919
 Date, First Survey 15/4/18 Last Survey 31/8/1918
 (Number of Visits 12) Gross ✓
 Net ✓
 Tons }
 When built ✓
 By whom built ✓
 When made ✓
 By whom made ✓
 When made 1919
 Port belonging to ✓
 Owners ✓

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

Total Heating Surface of Boilers 8289 sq ft Is forced draft fitted ✓
 Working Pressure 200 Tested by hydraulic pressure to 280 Date of test 28/3/19
 Area of fire grate in each boiler 84.5 sq ft No. and Description of
 of Certificate — Can each boiler be worked separately ✓
 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 ✓

Material of shell plates steel Thickness 17/32 + 1" Range of tensile strength 28 to 32 Tons Are the shell plates welded or flanged —
 Diameter of rivet holes in long. seams 27/32" Pitch of rivets 3 31/64"
 Description of riveting: cir. seams D.R. Lap long. seams I.R. Single Butt rivets 77.5" Working pressure of shell by
 plates or width of butt straps 7" Per centages of strength of longitudinal joint plate 75.8

No. and Description of Furnaces in each
 Size of manhole in shell 11" x 15" Size of compensating ring 22 x 28 3/4 x 7/8"
 Material — Outside diameter — Length of plain part — Thickness of plates —
 No. of strengthening rings — Working pressure of furnace by the rules — Combustion chamber
 description of longitudinal joint — Top — Bottom — Pitch of stays to ditto: Sides — Back —
 Material — Thickness: Sides — Back — Top — Bottom — Material of stays — Diameter at
 If stays are fitted with nuts or riveted heads — Working pressure by rules — Material of stays — Thickness 13/16"

Area supported by each stay — Working pressure by rules — End plates in steam space: Material steel Thickness 13/16"
 How are stays secured — Working pressure by rules 240 Material of stays — Diameter at smallest part —
 Working pressure by rules — Material of Front plates at bottom — Thickness — Material of
 Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes 13/16 + 3/16"

Material of tube plates steel Thickness: Front 1" Back — Mean pitch of stays 7" 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 —
 Superheater or Steam chest: how connected to boiler — Can the superheater be shut off and the boiler worked
 Diameter — Length — Thickness of shell plates 3/4" Material steel Description of longitudinal joint weld Diam. of rivet

Pitch of rivets — Working pressure of shell by rules — 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 Manufacturer.

Is the approved plan of boiler forwarded herewith yes.
 Total No. of visits 12.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The material & workmanship is of good quality. The workmanship has been carried out under special survey, in accordance with the approved plans. The mudrums & headers have been tested, as above, the ends dished & shell plates rolled, but no drilling has been done. The boilers are intended for the Australian Commonwealth Standard Vessels, & the sections have been dispatched to Sydney, N.S.W. where the boilers will be completed.

Survey Fee — When applied for, 1919
 Travelling Expenses (if any) £ — When received, 1919

Committee's Minute GLASGOW 21 MAY 1919
 Assigned TRANSMIT TO LONDON
 FRI. AUG. 13 1920
 FRI. APR. 15 1921
 FRI. NOV. 5 1920
 TUE. MAR. 22 1921

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