

REPORT ON BOILERS.

No. 39894
WED. APR 28 1920

Received at London Office

Date of writing Report April 20th 1920 When handed in at Local Office April 24th 1920 Port of GLASGOW
 No. in Survey held at Renfrew Date, First Survey 8/9/19 Last Survey 31st March 1920
 Reg. Book. on the Three Babcock & Wilcox boilers for S.S. "EUAIMBLA" (Number of Visits 5) Tons { Gross 3350.64
 Net 1915.89
 Master ✓ Built at Port Adelaide By whom built Boole & Sizel When built 1921.11.10
 Engines made at Port Adelaide By whom made Boole & Sizel When made 1921.11.10
 Boilers made at Renfrew By whom made Babcock & Wilcox Ltd N° 1000 When made 1920
 Registered Horse Power 576 Owners Australian Commonwealth Port belonging to Sydney NSW

MULTITUBULAR BOILERS — MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel D. Colville & Son Ltd.

(Letter for record S) Total Heating Surface of Boilers 8289 sq ft Is forced draft fitted ASSISTED No. and Description of Headers 1920
 Boilers Three Babcock & Wilcox Working Pressure 200 lbs Tested by hydraulic pressure to and Date of test June 4. 16. 26. 28
 mud drums to 400 lbs
 No. of Certificate — Can each boiler be worked separately 40 Area of fire grate in each boiler 84.5 sq ft No. and Description of safety valves to each boiler 2 Spring Loaded Area of each valve 9.64 Pressure to which they are adjusted 185 lbs
 Are they fitted with easing gear 40 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 24" INT MEAN dia. of boilers 4' 0" Length 13' 3 1/2"
 Material of shell plates Steel Thickness 1 1/32 & 1" Range of tensile strength 28/32 Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams DR Lap Long. seams TR. SBS Diameter of rivet holes in long. seams 24/32 Pitch of rivets 3 3/4
 Lap of plates or width of butt straps 4" Per centages of strength of longitudinal joint rivets 45.5 Working pressure of shell by plate 45.8
 rules 210 Size of manhole in shell 11" x 15" Size of compensating ring 28 3/4 x 22 x 3/4" No. and Description of Furnaces in each boiler
 Material — Outside diameter — Length of plain part — Thickness of plates —
 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 Steel Thickness 13"
 Pitch of stays None 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 HEADERS —
 Lower back plate Steel Thickness 14/32 Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes 1 1/16 & 3 1/16
 Pitch of tubes 2 5/8 & 2 3/4 Material of tube plates — 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 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 Weld Diam. of rivet holes —
 Pitch of rivets — Working pressure of shell by rules — Diameter of flue — Material of flue plates — Thickness —
 If 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. 2293 attached
 The foregoing is a correct description, Babcock & Wilcox Limited. Manufacturer.
 Dates of Survey: During progress of work in shops 1919 Sept 8. Nov 13. Is the approved plan of boiler forwarded herewith —
 while building: During erection on board vessel 1920 Jan. 22. 13. Mar 31. Total No. of visits 5

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The workmanship and materials are of good quality. The workmanship has been carried out under special survey in accordance with the approved plans. Headers and mud-drums have been tested as above. Ends dished and shell plates rolled but not drilled. The boilers are intended for Australian Commonwealth standard vessels and the boiler parts have been despatched to Melbourne where the boilers will be completed.

Survey Fee ... £ 8 : 8 : } When applied for, 191
 Travelling Expenses (if any) £ : : } When received, 191

Committee's Minute GLASGOW 27 APR 1920
 Assigned TRANSMIT TO LONDON
 David C Barr. Engineer Surveyor to Lloyd's Register of Shipping.
 FRI. FEB. 23 1922
 Lloyd's Register Foundation