

pt. 5a.

REPORT ON BOILERS.

No. 38675
THU. 24 APR. 1919

Received at London Office

of writing Report 12th April 1919 When handed in at Local Office 191 Port of Glasgow
 No. in Survey held at Renfrew Date, First Survey 10th April 1918 Last Survey 9th April 1919
 g. Book. on the Three Babcock + Wilcox Boilers Furness No. 13. S.S. Poona (Number of Visits 26) Tons { Gross ✓
 Net ✓
 Built at _____ By whom built _____ When built _____
 Lines made at _____ By whom made _____ When made _____
 Boilers made at Renfrew By whom made Babcock + Wilcox (No 406) When made 1919
 Registered Horse Power _____ Owners _____ Port belonging to _____

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel B. Colville + Steel Co of Scotland

Number for record S Total Heating Surface of Boilers 9636 sq ft Is forced draft fitted _____
 No. and Description of Sections 400 Date of test _____
Three Babcock + Wilcox Working Pressure 200 Tested by hydraulic pressure { to STEAM DRUMS 400
 HVO DRUMS 700
 of Certificate _____ Can each boiler be worked separately _____ Area of fire grate in each boiler 85 3/4 sq ft No. and Description of
 valves to each boiler _____ 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 _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ INSIDE MEAN DIA. OF BOILERS 4'0" Length 15' 1 1/4"
 Material of shell plates steel Thickness 9/16 + 1/16" Range of tensile strength 28-32 Tons Are the shell plates welded or flanged _____
 Description of riveting: cir. seams D.R. Lap long. seams T.R.S. Butt Diameter of rivet holes in long. seams 29/32" Pitch of rivets 3.537"
 Width of butt straps 7 1/4" Per centages of strength of longitudinal joint rivets 76.7 Working pressure of shell by
238 Size of manhole in shell 15" x 11" Size of compensating rings 2" x 28 3/4" x 22 1/4" plate 74.4
 No. and Description of Furnaces in each
 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
 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 13/16"
 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
 on back plate steel Thickness 17/32" Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes 1 13/16 + 3 15/16"
 Material of tube plates steel Thickness: Front 1 1/16" Back _____ 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 _____
 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 _____ 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 _____
 Area of safety valves to superheater _____ Are they fitted with easing gear _____

Survey request form No. 2167 attached to Gls. Report No 38228.
 The foregoing is a correct description, Babcock & Wilcox Limited, Manufacturer.

During progress of work in shops: (18) Apr 10-15, May 6-15-22-30, June 3-10-12, July 3-5, Aug 2-26. Is the approved plan of boiler forwarded herewith in London Office _____
 During erection on board vessel: Sept 12, Oct 2-11, Dec 6-13. (1919) Jan 8-13-16, Feb 17-19, 24 April. Total No. of visits 26.

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. The sections, steam + mud drums have been tested, as above. The boilers have been dispatched in sections to the Furness Shipbuilding Berths, Port Clarence + will be re-erected after erection on the vessel.

Survey Fee ... £ 36 : 4 : When applied for, 12/31 1918
 Travelling Expenses (if any) £ : : When received, 26/31 1919

Committee's Minute GLASGOW 23 APR 1919
 Signed _____
 TRANSMIT TO LONDON
 Engineer Surveyor Edw. H. Capeman to Lloyd's Register of British and Foreign Shipping.
 FRI. 12 MAR. 1920
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