

REPORT ON BOILERS.

No. 38445

5a.

Received at London Office

THU. 22 MAY. 1919

of writing Report 3rd May 1919 When handed in at Local Office 17.5.1919 Port of Glasgow
Survey held at Renfrew Date, First Survey 15/4/18 Last Survey 31/8/18
Book. on the Three Babcock + Wilcox Boilers for (Number of Visits 12) Gross ☒
Tons Net ☒
Built at Renfrew By whom built Babcock + Wilcox Ltd (No 384) When made 1919
By whom made Babcock + Wilcox Ltd (No 384) When made 1919
When made 1919
Port belonging to Renfrew
Owners Renfrew
Registered Horse Power 12

ULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~.—Manufacturers of Steel Stuarts + Lloyds
No. and Description of

ter for record S Total Heating Surface of Boilers 8289 sq ft Is forced draft fitted ☒
See London entry 28/3/19 Tested by hydraulic pressure to 700 lbs Date of test 28/3/19
Boilers Three Babcock + Wilcox Working Pressure 200 Area of fire grate in each boiler 84.5 sq ft No. and Description of

of Certificate Can each boiler be worked separately Pressure to which they are adjusted 200
Area of each valve 17" + 1" In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ☒
they fitted with easing gear Yes Inside dia. of 4'0" Length 13'3"

allest distance between boilers or uptakes and bunkers or woodwork 17" + 1" Range of tensile strength 28 to 32 Tons Are the shell plates welded or flanged Yes
Material of shell plates steel Thickness 17" + 1" Diameter of rivet holes in long. seams 27" Pitch of rivets 3 3/4"

scrip. of riveting: cir. seams D.R. Lap long. seams I.R. Single Butt rivets 77.5" Working pressure of shell by
of plates or width of butt straps 7" Per centages of strength of longitudinal joint 75.8 plate 75.8

Size of manhole in shell 11" x 15" Size of compensating ring 22" x 28 3/4" x 7/8" No. and Description of Furnaces in each
Material steel Outside diameter 210 Length of plain part 210 Thickness of plates 13" crown 13" bottom 13"
No. of strengthening rings 2 Working pressure of furnace by the rules 240 Combustion chamber

scription of longitudinal joint Material Thickness: Sides 13" Back 13" Top 13" Bottom 13" Pitch of stays to ditto: Sides 13" Back 13"
If stays are fitted with nuts or riveted heads Yes Working pressure by rules 240 Material of stays steel Diameter at

allest part 13" Area supported by each stay 240 Working pressure by rules 240 Material of stays steel Diameter at smallest part 13"
How are stays secured By nuts and washers Working pressure by rules 240 Material of stays steel Diameter at smallest part 13"

ea supported by each stay 240 Working pressure by rules 240 Material of Front plates at bottom steel Thickness 13" Material of
headers steel Thickness 13" Greatest pitch of stays 13" Working pressure of plate by rules 240 Diameter of tubes 13" + 3 1/2"

ch of tubes 2 5/8" x 2 3/4" Material of tube plates steel Thickness: Front 1" Back 1" Mean pitch of stays 7" Pitch across wide
Girders to Chamber tops: Material steel Depth and thickness of

ter spaces 13" Working pressures by rules 240 Material of Front plates at bottom steel Thickness 13" Material of
order at centre 13" Length as per rule 13" Distance apart 13" Number and pitch of Stays in each 13"

orking pressure by rules 240 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked
separately Yes Diameter 13" Length 13" Thickness of shell plates 13" Material steel Description of longitudinal joint steel Diam. of rivet

Pitch of rivets 13" Working pressure of shell by rules 240 Diameter of flue 13" Material of flue plates steel Thickness 13"
stiffened with rings Yes Distance between rings 13" Working pressure by rules 240 End plates: Thickness 13" How stayed 13"

orking pressure of end plates 240 Area of safety valves to superheater 13" Are they fitted with easing gear Yes
The foregoing is a correct description,
Babcock & Wilcox Manufacturer.

Survey request form
No 214/1 attached to Ld. Rpt no 38445

Dates During progress of 1918 Apr 15 May 15 22 30 Jun 5 12 26 July 5 Is the approved plan of boiler forwarded herewith Yes
Survey while building During erection on board vessel 9 Aug 2 15 31 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 supervision, 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 £ 8 When applied for, 1919
Travelling Expenses (if any) £ 8 When received, 1919

Committee's Minute GLASGOW 21 MAY 1919
Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
FRI AUG 13 1920
FRI NOV. 5 1920
TUE MAR. 22 1921

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Foundation