

REPORT ON BOILERS.

No. 38333

Pressure to
the Boiler

Gear fitted

Received at London Office

Report V-11-18 191 8 When handed in at Local Office 23-11 191 8 Port of Glasgow WED. 27 NOV. 1918
Survey held at Glasgow Date, First Survey 5/14/18 Last Survey 15/11/18 191 8
(Number of Visits 27) Tons } Gross
Net
Built at Glasgow By whom built Finch & Co When built 1918
By whom made John Brown When made 1918
By whom made Balcock & Wilson Ltd When made 1918
Owners Balcock & Wilson Ltd Port belonging to Balcock & Wilson Ltd

Spin
bearing

at
at

orse Power

for

cord

FD

to each boiler

Div

l with easing gear

ance between boilers or uptakes and bunkers or woodwork

Shell plates

riveting: cir. seams

width of butt straps

Size of manhole in shell

Material

longitudinal joint

bolts

Area supported by each stay

How are stays secured

ed by each stay

rk on

ks on

Material of tube plates

Working pressures by rules

Length as per rule

Superheater or Steam chest: how connected to boiler

Can the superheater be shut off and the boiler worked

Thickness of shell plates

Material S

Description of longitudinal joint

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

th rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Area of safety valves to superheater

Are they fitted with easing gear

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel Colville, Sons, Steel Co of Scotland
S Total Heating Surface of Boilers 96364 Is forced draft fitted Yes Clair Stirling No. and Description of Section 15 400 lbs sq
Balcock & Wilson Marine Working Pressure 200 Tested by hydraulic pressure to 400 lbs sq Date of test 15/11/18
Can each boiler be worked separately - Area of fire grate in each boiler 85314 No. and Description of Section 15 400 lbs sq
Area of each valve - Pressure to which they are adjusted -
In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler -
Mutual Steam Drum
dia. of boilers 4-0 Length 15-11/4
Thickness 9/16-1/16 Range of tensile strength 28/32 Are the shell plates welded or flanged -
long. seams TR Single RS Diameter of rivet holes in long. seams 29/32 Pitch of rivets 3-53
Per centages of strength of longitudinal joint 76-79 Working pressure of shell by 44-46
Size of compensating ring 1/8-1/4 No. and Description of Furnaces in each 2-4 1/2-1-10 1/4
Outside diameter 10-10 1/4 Length of plain part 10-10 1/4 Thickness of plates 13/16
No. of strengthening rings 1 Working pressure of furnace by the rules 240 Combustion chamber 13/16
Pitch of stays to ditto: Sides 13/16 Back 13/16
Working pressure by rules 240 Material of stays S Diameter at 13/16
End plates in steam space: Material S Thickness 13/16
Working pressure by rules 240 Material of stays S Diameter at smallest part 13/16
Material of Front plates at bottom S Thickness 13/16 Material of 13/16
Greatest pitch of stays 17/32 Working pressure of plate by rules 240 Diameter of tubes 13/16
Material of tube plates S Thickness: Front 1/16 Back 1/16 Mean pitch of stays 13/16 Pitch across wide 13/16
Girders to Chamber tops: Material S Depth and thickness of 13/16
Distance apart 13/16 Number and pitch of Stays in each 13/16
Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked
Thickness of shell plates 3/4 Material S Description of longitudinal joint weld Diam. of rivet 13/16
Pitch of rivets 3-53 Working pressure of shell by rules 240 Diameter of flue 13/16 Material of flue plates 13/16 Thickness 13/16
Distance between rings 13/16 Working pressure by rules 240 End plates: Thickness 13/16 How stayed 13/16
Area of safety valves to superheater 13/16 Are they fitted with easing gear 13/16

request form

attached to Gls. Rpt. No. 38246.

The foregoing is a correct description,
Balcock & Wilcox Limited.
W. Donald Manufacturer.

ring progress of

rk in shops

ring erection on

ard vessel

ring progress of 1918 Apr. 5-10-12-15-29 May 6-15-22-30 June 3-5-10-12-27 Is the approved plan of boiler forwarded herewith Approved plan
rk in shops - in London Office -
ring erection on July 1-3-5-9 Aug. 2-9-12-13-15-26 Sept. 12 Oct. 7-15 Total No. of visits 27

REMARKS (State quality of workmanship, opinions as to class, &c.) The Boilers have been built under special
accordance with the approved plan & the Rules of the Society. The workmanship & material
quality throughout. The sections have been tested to 400 lbs per sq inch, Drums to 400 lbs sq
inches to 400 lbs sq. The Boilers have been dispatched, to in section, to Beachley Junction
to the Naval Store Officer, will be re-tested after erection on board the vessel

When applied for, 27/11/18 191 8
Expenses (if any) £ 36 : 10 : 4 When received, 22-1-19 191 9

Fred. O. Ferguson
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Minute GLASGOW 26 NOV 1918

TRANSMIT TO LONDON

TUE MAR 22 1921

FRI OCT 14 1921

TUE NOV 28 1921

Roughed out

480

Date of

No. 1

Reg. B

1548

Master

Boiler

Owner

VE

Mad

teste

No.

GRAMS: R



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H.

Th

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Lloyd's Register
Foundation