

REPORT ON BOILERS.

No. 34441

Received at London Office MAR. 22 1918.

191 When handed in at Local Office 191 Port of Glasgow
 Survey held at Dumbarton Date, First Survey 24th Aug. 1914 Last Survey 23rd Jan. 1918
 on the Standard Boilers S.O. 192 P.S. "War Viper" (Number of Visits 10) Gross 5160
 Tons Net 3122
 Built at Belfast By whom built Harland & Wolff Ltd. (531) When built 1918
 made at Belfast By whom made - When made 1918
 made at Dumbarton By whom made Denny & Co When made 1917
 ed Horse Power - Owners The Shipping Controller Port belonging to London

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D Colville & Sons
 for record 5) Total Heating Surface of Boilers 4668 sq ft Is forced draft fitted yes No. and Description of
Three single ended Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 26-12-17
 Certificate 14046 Can each boiler be worked separately yes Area of fire grate in each boiler 63.3 sq ft No. and Description of
 valves to each boiler 2-2 Inlet Spring Area of each valve 9.62 sq ft Pressure to which they are adjusted 185 lbs
 fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler -
 distance between boilers or uptakes and bunkers or woodwork about 3 ft. Mean dia. of boilers 15'-6" Length 11'-4 1/2"
 of shell plates steel Thickness 1 1/4" Range of tensile strength 28/32 tons Are the shell plates welded or flanged no
 of riveting: cir. seams DR lap long. seams DBS. TR Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 9 1/8"
 plates or width of butt straps 19 1/2" Per centages of strength of longitudinal joint rivets 88.3 Working pressure of shell by
182 Size of manhole in shell end 16 x 12 Size of compensating ring plate flanged in No. and Description of Furnaces in each
Beighton Material steel Outside diameter 50 3/16" Length of plain part top - bottom - Thickness of plates crown 1 1/2" bottom 3/2"
 tion of longitudinal joint weld No. of strengthening rings - Working pressure of furnace by the rules 187 Combustion chamber
 Material steel Thickness: Sides 2 3/32" Back 1 1/16" Top 2 3/32" Bottom 2 3/32" Pitch of stays to ditto: Sides 10 5/8" x 9 1/4" Back 10 1/4" x 8 3/4"
5 x 9 1/4" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 180 Material of stays steel Diameter at
 part 2-39" Area supported by each stay 99" Working pressure by rules 216 End plates in steam space: Material steel Thickness 1 1/2"
 of stays 21 3/4" x 20 7/8" How are stays secured DN + W Working pressure by rules 189 Material of stays steel Diameter at smallest part 8-29"
 supported by each stay 454" Working pressure by rules 189 Material of Front plates at bottom steel Thickness 3 1/2" Material of
 back plate steel Thickness 2 7/32" Greatest pitch of stays 13 5/8" Working pressure of plate by rules 205 Diameter of tubes 2 3/4"
 of tubes 4 x 3 7/8" Material of tube plates steel Thickness: Front 3 1/32" Back 3/4" Mean pitch of stays 9 13/16" Pitch across wide
 spaces 13 5/8" Working pressures by rules 182 Girders to Chamber tops: Material steel Depth and thickness of
 at centre 2 plates 10 x 7/8" Length as per rule 36" Distance apart 10 5/8" Number and pitch of Stays in each 3 of 9 1/4"
 g pressure by rules 182 Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked
 tely — Diameter — Length — Thickness of shell plates — Material — Description of longitudinal joint — Diam. of rivet
 — Pitch of rivets — Working pressure of shell by rules — Diameter of flue — Material of flue plates — Thickness —
 ened with rings — Distance between rings — Working pressure by rules — End plates: Thickness — How stayed —
 ng pressure of end plates — Area of safety valves to superheater — Are they fitted with easing gear —

The foregoing is a correct description,

Denny & Co Manufacturer.

During progress of 1914 Aug. 24, Sep. 20, 25, Oct. 12, Nov. 5, 20, Dec. 4, 12, 26 Is the approved plan of boiler forwarded herewith yes
 work in shops — — — — —
 During erection on 1918 Jan. 23 Total No. of visits 10
 board vessel — — — — —

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

se boilers have been constructed under special survey in accordance with the rules
 proved plans and have been tested by hydraulic pressure to 360 lbs. Materials &
 kmanship are good. The boilers have been forwarded to Belfast to be fitted on a
 andard vessel.

Survey Fee £ 33 one fourth When applied for, 18/3 1918
 Travelling Expenses (if any) £ total travelling fee When received, 191

Committee's Minute

TUE. MAR. 26 1918.

TUE. 9-APR. 1918

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

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