

REPORT ON BOILERS

No. 38592

WED. 19 MAR. 1919

Received at London Office

Date of writing Report 1919 When handed in at Local Office 1919 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 12/8/18 Last Survey 10th March 1919
 Reg. Book. on the Boiler No B286 "Strath" type S.S. Skirbeck (Number of Visits 11) } Gross Tons }
 Master Built at By whom built When built
 Engines made at Leith By whom made Hawthornes & Co When made
 Boilers made at Glasgow By whom made W Rowan & Co (No B286) When made 1919
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Stewart & Lloyd

(Letter for record ✓) Total Heating Surface of Boilers 1347 1/2 Is forced draft fitted No. and Description of Boilers one Single ended Working Pressure 180 lb Tested by hydraulic pressure to 360 lb Date of test 10.3.19
 No. of Certificate 14649 Can each boiler be worked separately No. Area of fire grate in each boiler 39.25 sq ft No. and Description of safety valves to each boiler No. Area of each valve No. Pressure to which they are adjusted No.
 Are they fitted with easing gear No. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No.
 Smallest distance between boilers or uptakes and bunkers or woodwork No. Mean dia. of boilers 12.6" Length 10.0"
 Material of shell plates Steel Thickness 1 1/2" Range of tensile strength 28632 lbs Are the shell plates welded or flanged No.
 Descrip. of riveting: cir. seams 6 Lap long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 7 3/8"
 Lap of plates or width of butt straps 16" Per centages of strength of longitudinal joint rivets 86.6 Working pressure of shell by rules 181 plate 85.5 Size of manhole in shell 16x12" Size of compensating ring 2.4 dia x 1" No. and Description of Furnaces in each boiler 3 Plain Material Steel Outside diameter 36 7/8" Length of plain part top 77 1/2" Thickness of plates 1 1/2" crown 1 1/2" bottom 1 1/2" Description of longitudinal joint weld No. of strengthening rings 1 Working pressure of furnace by the rules 194 Combustion chamber plates: Material Steel Thickness: Sides 5/8" Back 5/8" Top 1 1/8" Bottom 5/8" Pitch of stays to ditto: Sides 8x9" Back 8x9" Top 8 3/4 x 8 1/2" stays are fitted with nuts or riveted heads nuts Working pressure by rules 187 Material of stays Steel Diameter at smallest part 2.07" Area supported by each stay 74 sq in Working pressure by rules 268 End plates in steam space: Material Steel Thickness 1 1/2" Pitch of stays 18x18 How are stays secured DN & V Working pressure by rules 185 Material of stays Steel Diameter at smallest part 5.94" Area supported by each stay 324 sq in Working pressure by rules 196 Material of Front plates at bottom Steel Thickness 1" Material of lower back plate Steel Thickness 1 1/2" Greatest pitch of stays 16 1/4 x 8" Working pressure of plate by rules 222 Diameter of tubes 3 1/2" Pitch of tubes 4 3/4 x 4 3/4" Material of tube plates Steel Thickness: Front 1" Back 2 1/2" Mean pitch of stays 17 1/8" Pitch across wide water spaces 14 1/2" Working pressures by rules 183 1/2 Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 7 x 7/8 (2) Length as per rule 28.44" Distance apart 8 3/4" Number and pitch of Stays in each Two 8 1/2" Working pressure by rules 188 Superheater or Steam chest: how connected to boiler None Can the superheater be shut off and the boiler worked separately No. Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet plates Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness 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 2234 attached
 The foregoing is a correct description.
David Rowan & Co Manufacturer.
 Dates } During progress of 1918 Aug 12-22. Sept 11. 20. Oct 1. 16 Nov 22 Dec 19 Is the approved plan of boiler forwarded herewith Yes
 Survey } work in shops - - -
 while } During erection on 1919 Jan 8 Feb 11 Mar 10. Total No. of visits 11
 (loading) } board vessel - - -

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boiler has been built under Special Survey materials and workmanship are good.

Survey Fee ... £ 6 : 2 : 6 When applied for, 1919 from Leith
 Travelling Expenses (if any) £ : : When received, 29/1/19 1919
asb aslho 2020
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 Committee's Minute GLASGOW 18 MAR 1919
 Assigned TRANSMIT TO LONDON
 FRI. JUL. 19. 1919
 Lloyd's Register Foundation
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