

REPORT ON BOILERS

No. 38592

WED. 19 MAR. 1919

Received at London Office

Date of writing Report 191 When handed in at Local Office 191 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 Lyke S.S. Skirbeck (Number of Visits 11) Gross Tons Net
 Master Built at By whom built When built
 Engines made at Leith By whom made Hawthorn & Co When made
 Boilers made at Glasgow By whom made W. Rowan & Co (20 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 ⁷/₁₁ Is forced draft fitted No. and Description ofBoilers one Single ended Working Pressure 180 ¹/₂ Tested by hydraulic pressure to 360 ¹/₂ Date of test 10.3.19No. of Certificate 14649 Can each boiler be worked separately Area of fire grate in each boiler 39.25 ¹/₄ No. and Description of

safety valves to each boiler Area of each valve Pressure to which they are adjusted

Are 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 Mean dia. of boilers 12.6" Length 10.0"

Material of shell plates Steel Thickness 1 ¹/₂" Range of tensile strength 28632 ¹/₂ Are the shell plates welded or flanged NoDescrip. of riveting: cir. seams 6 Laps long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 ¹/₁₆" Pitch of rivets 7 ³/₈"

Gap 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 ¹/₂ Size of manhole in shell 16x12" Size of compensating ring 2.4 dia x 4" plate 85.5 No. and Description of Furnaces in eachBoiler 3 Plain Material Steel Outside diameter 36 ⁷/₁₆" Length of plain part top 77 ¹/₁₆" Thickness of plates crown 5 ¹/₂"

Description of longitudinal joint Welded No. of strengthening rings 1 Working pressure of furnace by the rules 194 Combustion chamber

plates: Material Steel Thickness: Sides 5 ¹/₈" Back 5 ¹/₈" Top 1 ¹/₁₆" Bottom 5 ¹/₈" Pitch of stays to ditto: Sides 8x9" Back 8x9"Top 8 ³/₄x8 ¹/₂" If stays are fitted with nuts or riveted heads No Working pressure by rules 187 Material of stays Steel Diameter atsmallest part 2.07 ¹/₄" Area supported by each stay 74 ¹/₄" Working pressure by rules 268 End plates in steam space: Material Steel Thickness 1 ¹/₈"Pitch of stays 18x18 How are stays secured D.N.V. Working pressure by rules 185 Material of stays Steel Diameter at smallest part 5.94 ¹/₄"Area supported by each stay 324 ¹/₄" Working pressure by rules 196 Material of Front plates at bottom Steel Thickness 1" Material oflower back plate Steel Thickness 1 ¹/₈" Greatest pitch of stays 16 ¹/₄x8" Working pressure of plate by rules 222 Diameter of tubes 3 ¹/₂"Pitch of tubes 4 ³/₄x4 ³/₄" Material of tube plates Steel Thickness: Front 1" Back 2 ¹/₁₆" Mean pitch of stays 11 ¹/₈" Pitch across widewater spaces 14 ¹/₂" Working pressures by rules 183 ¹/₂ Girders to Chamber tops: Material Steel Depth and thickness oforder at centre 7x7/8 (2) Length as per rule 28.44" Distance apart 8 ³/₄" Number and pitch of Stays in each 200x8 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 Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

rules 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

22344 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 1918 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
 building 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, 191 from Leith

Travelling Expenses (if any) £ : : When received, 29/1/1919 20/4/1919

Committee's Minute GLASGOW 18 MAR 1919

Assigned TRANSMIT TO LONDON

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

FRI. JUL. 19. 1919

Lloyd's Register
Foundation

005518-005528-0061