

REPORT ON BOILERS.

No. 41415

Received at London Office WED. 12 OCT. 1921

Date of writing Report 10.10.1921 When handed in at Local Office 10.10.1921 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 13th Oct 1920 Last Survey 4th Oct 1921
 Reg. Book. on the Marine Baler No 1748. 0.0 Jing Sang (Number of Visits 15) Gross 2256 Tons Net 1232
 Master Built at Port Glasgow By whom built Dunlop & Brewster When built 1922
 Engines made at Port Glasgow By whom made Dunlop & Brewster When made 1922
 Boilers made at Glasgow By whom made Forth Shipbuilding Co When made 1921
 Registered Horse Power Owners Indo China O. N. & Co Port belonging to London

MULTITUBULAR BOILERS—~~MAIN, AUXILIARY OR~~ DONKEY.—Manufacturers of Steel *Wm Beardmore Steel Co of Scotland*
 (Letter for record S) Total Heating Surface of Boilers 576# Is forced draft fitted No. and Description of Boilers One Single Ended. Working Pressure 100. Tested by hydraulic pressure to 200. Date of test 4/10/21
 No. of Certificate 15916 Can each boiler be worked separately No. Area of fire grate in each boiler 24 1/2 sq ft. No. and Description of safety valves to each boiler Two Spring Area of each valve 3.98" Pressure to which they are adjusted 105 lb
 Are they fitted with easing gear Yes 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 21" dia. of boilers 8'-6" Length 8'-6"
 Material of shell plates Steel Thickness 9/16 Range of tensile strength 28/32 Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams Lap S.R. long. seams SBS. S.R. Diameter of rivet holes in long. seams 3/4 Pitch of rivets 4 1/2
 Lap of plates or width of butt straps 8" Per centages of strength of longitudinal joint rivets 83.1 plate 82.2 Working pressure of shell by rules 124 Size of manhole in shell 16" x 12" Size of compensating ring 2'-6" x 2'-2" x 3/4 No. and Description of Furnaces in each boiler No plain Material S. Outside diameter 2'-8" Length of plain part top 64" bottom 68" Thickness of plates crown 7/32 bottom 1/2
 Description of longitudinal joint held No. of strengthening rings One Working pressure of furnace by the rules 168 Combustion chamber plates: Material S Thickness: Sides 9/16 Back 7/2 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 8 1/2 Back 8 1/2 x 8 1/4
 Top 9" If stays are fitted with nuts or riveted heads No Working pressure by rules 100 Material of stays Steel Area at smallest part 119 sq in Area supported by each stay 94 sq in Working pressure by rules 102 End plates in steam space: Material Steel Thickness 3/4
 Pitch of stays 15" How are stays secured BY Mark Working pressure by rules 118 Material of stays Steel Area at smallest part 27 sq in
 Area supported by each stay 225 sq in Working pressure by rules 125 Material of Front plates at bottom Steel Thickness 3/4 Material of Lower back plate Steel Thickness 3/4 Greatest pitch of stays 12 1/2 x 8 3/4 Working pressure of plate by rules 160 Diameter of tubes 3"
 Pitch of tubes 4" Material of tube plates Steel Thickness: Front 3/4 Back 2/32 Mean pitch of stays 10" Pitch across wide water spaces 12 1/2 Working pressures by rules 111 Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6" x 7/8 x 2 Length as per rule 22 3/4 Distance apart 9" Number and pitch of Stays in each One at 10"
 Working pressure by rules 132 Steam dome: description of joint to shell None % of strength of joint
 Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

UPERHEATER. Type None Date of Approval of Plan Tested by Hydraulic Pressure to
 Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

FOR THE FORTH SHIPBUILDING & ENGINEERING CO., LTD.

The foregoing is a correct description,
(LINDSAY BURNETT'S BOILER WORKS)*Snieldair Cooper* Manufacturer.

Dates of Survey During progress of 1920 Oct-13 28 Nov-24 (1921) Jan-19 Feb-9 17 Mar-24 May-5 Jun-27 Is the approved plan of boiler forwarded herewith Yes.
 while work in shops - - - July 6 Aug 2 15-25 Sep 12 Oct 4
 building During erection on board vessel - - - Total No. of visits 15

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

The Boiler has been built under special survey
 The workmanship and materials are good.
 The boiler is being sent to Port Glasgow to be fitted on board
 now efficiently fitted in place J. L. Limer

Survey Fee ... £ 4 : 4 : When applied for, 11.10.1921
 Travelling Expenses (if any) £ : : When received, 17.10.21

Committee's Minute

GLASGOW 11 OCT 1921

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 21 FEB 1922

S. G. R. No. 17962

Lloyd's Register

012124-012128-0106