

REPORT ON BOILERS.

No. 41339

Received at London Office

WED. OCT. 5 1921

Date of writing Report 1. 10. 1921 When handed in at Local Office 1. 10. 1921 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 31st May Last Survey 26th August 1921
 Reg. Boqk. on the manoeuvring air Reservoirs no Z 670 M/S 'LOCHGOIL' (Number of Visits 4) Gross 9462 Tons Net 5873
 Master Built at Glasgow By whom built Harland & Wolff Ltd When built 1922
 Engines made at Glasgow By whom made Harland & Wolff Ltd No. 516 When made 1922
 Reservoirs Boilers made at Glasgow By whom made S. W. Henderson & Co Ltd When made 1921
 Registered Horse Power Owners Royal Mail S.P. Co Port belonging to London

Manoeuvring air Reservoirs
MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel S. Colville & Sons.

(Letter for record) Total Heating Surface of Boilers Is forced draft fitted No. and Description of Boilers 3
 Working Pressure 356 Tested by hydraulic pressure to 712 lbs Date of test 26-8-21
 No. of Certificate 15890 Can each boiler be worked separately Area of fire grate in each boiler 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 Reservoirs 6'-0 3/8" Length 26'-8 1/2"
 Material of shell plates S Thickness 1 3/32 Range of tensile strength 28/32 tons Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams L.D.R. long. seams D.B.S. T.R. Diameter of rivet holes in long. seams 13/16 Pitch of rivets 8 3/16"
 width of butt straps 17 1/2" Per centages of strength of longitudinal joint rivets 91.9 Working pressure of shell by rules 348 Size of manhole in shell 16" x 12" Size of compensating ring end flanged in No. and Description of Furnaces in each boiler Material Outside diameter Length of plain part Thickness of plates crown bottom
 Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back
 Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space: Material S Thickness 9/32 + 1/32
 Pitch of stays none How are stays secured end plates dished 4'-2" Rad. Working pressure by rules 356 Material of stays Area at smallest part
 Area supported by each stay Working pressure by rules 356 Material of Front plates at bottom Thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes
 Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of girder at centre Length as per rule Distance apart Number and pitch of Stays in each
 Working pressure by rules Steam dome: description of joint to shell % 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

SUPERHEATER. Type 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

Survey request form No. 2586 attached
 The foregoing is a correct description, S. J. Paton Manufacturer.

Dates of Survey During progress of work in shops - - 1921 May 31 July 6 Aug 24 26. Is the approved plan of boiler forwarded herewith Retained for completion of other nos.
 while building During erection on board vessel - - - Total No. of visits 4

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
These Reservoirs have been built under Special Survey and in accordance with the Rules, the workmanship and materials are sound and good, on completion they were tested by water pressure to 712 lbs per sq inch, and were found tight and satisfactory in all respects.

Survey Fee ... £ 12 : 12 : } When applied for, 1. 9. 1921.
 Travelling Expenses (if any) £ : : } When received, 8. 11. 1921.

J. Selles
 Engineer Surveyor to Lloyd's Register of Shipping.
 TUE. 16 JAN. 1923

Committee's Minute GLASGOW 4 - OCT 1921
 Assigned TRANSMIT TO LONDON
See Glasgow Report
GLASGOW 19 DEC 1922
Lloyd's Register Foundation
No. 42371

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