

REPORT ON BOILERS.

No. 33250.

RECEIVED FEB. 25. 1914
WED. OCT. 22. 1913

Date of writing Report 13.10.1913 When handed in at Local Office 18.10.1913 Port of GLASGOW
 No. in Survey held at Glasgow Date, First Survey 10.4.13 Last Survey 9.10.1913
 Reg. Book. on the barrowdore. (Number of Visits 26) Gross 599 Tons Net 226.
 Master Built at Boulogne By whom built Scott & Sons 7.4.49. When built
 Engines made at Glasgow By whom made Cuthbertson & Blair 10.8.83 When made 1913
 Boilers made at ditto By whom made Dunsen & Jackson 1.3.10 When made 1913
 Registered Horse Power Owners Arthur Guinness & Co. Ltd. Port belonging to Belfast.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steam-Hy & Engine. Still Co
 (Letter for record S) Total Heating Surface of Boilers 2034 4 Is forced draft fitted No. and Description of
 Boilers One single ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 9.10.13
 No. of Certificate 12352 Can each boiler be worked separately Area of fire grate in each boiler 59 3/4 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 15-1 13/64 Length 10-6
 Material of shell plates S Thickness 1 13/64 Range of tensile strength 28/32 Are the shell plates welded or flanged
 Descrip. of riveting: cir. seams DR long. seams TRIDBS Diameter of rivet holes in long. seams 1 1/4 Pitch of rivets 8 3/4
 Top of plates or width of butt straps 1-6 7/8 Per centages of strength of longitudinal joint rivets 86 5/9 Working pressure of shell by
 rules 182 Size of manhole in shell 16 1/2 Size of compensating ring 10 1/2 No. and Description of Furnaces in each
 boiler 3 Deighton Material S Outside diameter 3 11 1/2 Length of plain part top Thickness of plates crown 9 1/16 bottom
 Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 183 Combustion chamber
 plates: Material S Thickness: Sides 1 1/16 Back 1 1/16 Top 1 1/16 Bottom 7/8 Pitch of stays to ditto: Sides 10 1/9 Back 9 1/3 1/4
 Top 10 1/8 7/8 If stays are fitted with nuts or riveted heads 8 1/2 Working pressure by rules 182 Material of stays S Diameter at
 smallest part 9 1/8 2/3 Area supported by each stay 90 1/2 Working pressure by rules 220 End plates in steam space: Material S Thickness 1 1/4
 Pitch of stays 2 1/2 7/3 1/4 How are stays secured 8 1/2 Working pressure by rules 186 Material of stays S Diameter at smallest part 6 3/32
 Area supported by each stay 37 1/2 Working pressure by rules 181 Material of Front plates at bottom S Thickness 1 1/4 Material of
 Lower back plate S Thickness 29/32 Greatest pitch of stays 14 1/2 9 Working pressure of plate by rules 210 Diameter of tubes 3 1/4
 Pitch of tubes 4 1/6 1/4 1/2 Material of tube plates S Thickness: Front 1 1/64 Back 7/8 Mean pitch of stays 11 3/16 Pitch across wide
 water spaces 14 1/4 Working pressures by rules 183 Girders to Chamber tops: Material Iron Depth and thickness of
 girder at centre 8 1/2 (2) Length as per rule 2-7 7/16 Distance apart 8 7/8 Number and pitch of Stays in each 2 at 10
 Working pressure by rules 184 Superheater or Steam chest: how connected to boiler 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
 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If 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

The F. DUNSMUIR & JACKSON, Ltd., Glasgow, Manufacturers.

No. 1195 attached

Dates of Survey During progress of work in shops - - 1913 Apr 10. 15. 23. 28 May 1. 7. 16. 26. 28 Is the approved plan of boiler forwarded herewith Yes
 while building During erection on board vessel - - - June 2. 10. 16. 24. July 16. 31. Aug. 6. 14. 15. 26. Total No. of visits 26.
 Sept 3. 8. 12. 18. 22. Oct 2. 9.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under Special Survey in accordance with the approved plan & the workmanship & material are of good quality. This boiler will be fitted on board in Glasgow.

Survey Fee ... £ 6 : 16 : When applied for 20.10.1913
 Travelling Expenses (if any) £ : : When received 23.10.1913

W. Gordon Muirhead

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

Committee's Minute

GLASGOW 21 OCT. 1913

GLASGOW

24 FEB. 1914

Assigned

Transmit to London.

See Glasgow Report

No. 33658.

Lloyd's Register Foundation

002667-002673-0128