

REPORT ON BOILERS.

No. 39118.

Received at London Office

Date of writing Report 24 June 1919 When handed in at Local Office 13/9/1919 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 16/4/1918 Last Survey 1/6/1919
 Reg. Book. S. S. Traveal (Number of Visits) 1 Gross Tons 549 Net Tons 551
 on the S. S. Traveal By whom built Harland & Wolff Ltd (549) When built 1919
 Master Glasgow By whom made Harland & Wolff Ltd (551) When made 1919
 Engines made at Glasgow By whom made A. & J. Inglis Ltd (601) When made 1919
 Boilers made at Glasgow Owners John S. S. Co. Ltd Port belonging to St Ives
 Registered Horse Power 1476.6

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Juan D. Colville & Sons Ltd
 Letter for record 8 Total Heating Surface of Boilers 7668 sq ft Is forced draft fitted Yes No. and Description of Boilers 3 Multitubular Single Ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 4.6.19
 No. of Certificate 1476.6 Can each boiler be worked separately Yes Area of fire grate in each boiler 63.3 sq ft No. and Description of Safety valves to each boiler 2 Spring loaded Area of each valve 9.62 sq in Pressure to which they are adjusted 185 lb
 Are they fitted with easing gear Yes 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 1-9" Mean dia. of boilers 15-6" Length 11-6"
 Material of shell plates S Thickness 1/4" Range of tensile strength 28/32 Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams D.R. long. seams DBS, TR. Diameter of rivet holes in long. seams 1/16" Pitch of rivets 9/8"
 Lap of plates or width of butt straps 19 1/2" Per centages of strength of longitudinal joint 88.3% Working pressure of shell by rules 182 Size of manhole in shell 16" x 12" Size of compensating ring plate flanged in No. and Description of Furnaces in each boiler
3 Deighton Corrugated Material S Outside diameter 4'-2 1/2" Length of plain part — Thickness of plates 1/2" crown 1/2" bottom 3/4"
 Description of longitudinal joint Weld No. of strengthening rings — Working pressure of furnace by the rules 188 Combustion chamber plates: Material S Thickness: Sides 23/32" Back 1/4" Top 23/32" Bottom 23/32" Pitch of stays to ditto: Sides 10 1/2" x 9 1/2" Back 10 1/2" x 8 1/2"
 Top 10 1/2" x 9 1/2" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 180.3 Material of stays S Diameter at smallest part 3 1/4"
 Smallest part 1 1/8" x 1 1/8" Area supported by each stay 98.25 sq in Working pressure by rules 84 End plates in steam space: Material S Thickness 1/32"
 Pitch of stays 21 1/4" x 20 1/2" How are stays secured Screw Working pressure by rules 192 Material of stays S Diameter at smallest part 3 1/4"
 Area supported by each stay 44.6 sq in Working pressure by rules 193 Material of Front plates at bottom S Thickness 3/4" Material of Lower back plate S Thickness 3/4" Greatest pitch of stays 13 5/8" Working pressure of plate by rules 182 Diameter of tubes 2 1/4"
 Pitch of tubes 4" x 3 1/8" Material of tube plates S Thickness: Front 3/4" Back 3/4" Mean pitch of stays 10 5/8" Pitch across wide water spaces 13 5/8" Working pressures by rules 181.6 Girders to Chamber tops: Material S Depth and thickness of girder at centre 10" x 8(2) Length as per rule 35 7/8" Distance apart 10 5/8" Number and pitch of Stays in each 3 at 19 1/4"
 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 Yes 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 —

Survey request form

The foregoing is a correct description,

A. & J. INGLIS LIMITED. Manufacturers.

No. 1 attached

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits 10

Dates of Survey: During progress of work in shops 19.8.18 Apr 16.18 22 May 2.11 July 3. Aug 2.1
 while building: During erection on board vessel 19.9.18 Mar 5 June 1

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

These Boilers have been built under Special Survey in accordance with the approved Plan and the workmanship & materials are of good quality.
 These boilers have now been satisfactorily fitted to the vessel as Baschips 11/9/19

Survey Fee £ 100 ... When applied for, 191
 Travelling Expenses (if any) £ 10 ... When received, 191

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

Committee's Minute GLASGOW 16 SEP 1919

Assigned

TRANSMIT TO LONDON

See attached machinery report

Lloyd's Register of British and Foreign Shipping
 W796-0100