

REPORT ON BOILERS.

No. 18795

Received at London Office

9 NOV 1927

Date of writing Report 12/10/27 When handed in at Local Office 14th November 1927 Port of Greenock
 No. in Survey held at Greenock Date, First Survey 15th February 1924 Last Survey 2nd November 1927
 Reg. Book. 39794 on the "Athelqueen" (Number of Visits) Gross 8790
 Master Greenock Built at Middlesbrough By whom built Greenock (117) When built 1927
 Engines made at Greenock By whom made John & Kincaid C.Y. Ltd. When made 1927
 Boilers made at Greenock By whom made Greenock When made 1927
 Registered Horse Power 117 Owners British Overseas Co. Ltd. Port belonging to Liverpool

MULTITUBULAR BOILERS — MAIN, AUXILIARY — Manufacturers of Steel Greenock

(Letter for record S) Total Heating Surface of Boilers 18234 Is forced draft fitted Assisted No. and Description of Boilers one single ended Working Pressure 180 Tested by hydraulic pressure to 320 Date of test 5-10-27
 No. of Certificate 1785 Can each boiler be worked separately Yes Area of fire grate in each boiler oil fuel No. and Description of safety valves to each boiler Double spring Area of each valve 707 Pressure to which they are adjusted 185 lbs.
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes
 Smallest distance between boilers or uptakes and bunkers or woodwork Yes Mean dia. of boilers 13-6" Length 11-0"
 Material of shell plates S Thickness 1 1/8" Range of tensile strength 28/32 Are the shell plates welded or flanged Yes
 Descrip. of riveting: cir. seams DR long. seams TR & DBS Diameter of rivet holes in long. seams 13/16" Pitch of rivets 8 3/8"
Longitudinal or width of butt straps 17 3/4" Per centages of strength of longitudinal joint 90.5% Working pressure of shell by rules 184 Size of manhole in shell 16 1/2 x 20 1/2" Size of compensating ring 2 1/2 x 2 7/8" No. and Description of Furnaces in each boiler 3 Boogie type Material S Outside diameter 3-4 1/4" Length of plain part top 15 1/2" Thickness of plates bottom 13 1/2"
 Description of longitudinal joint weld No. of strengthening rings Yes Working pressure of furnace by the rules 182 Combustion chamber plates: Material S Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 2 1/32" Pitch of stays to ditto: Sides 9" 9/16" Back 8 1/2" 9"
 Top 9" 8 1/2" If stays are fitted with nuts or riveted heads DN Working pressure by rules 183 Material of stays S Area at smallest part 1 3/32" Area supported by each stay 76.5" Working pressure by rules 198 End plates in steam space: Material S Thickness 1 3/32"
 Pitch of stays 18 1/2" How are stays secured DN & W Working pressure by rules 181 Material of stays S Area at smallest part 6.1"
 Area supported by each stay 302.25" Working pressure by rules 196 Material of Front plates at bottom S Thickness 1" Material of Lower back plate S Thickness 25/32" Greatest pitch of stays 14" Working pressure of plate by rules 184 Diameter of tubes 3"
 Pitch of tubes 4 1/2 x 4 3/16" Material of tube plates S Thickness: Front 1" Back 23/32" Mean pitch of stays 10-8" Pitch across wide water spaces 14" Working pressures by rules 187 Girders to Chamber tops: Material S Depth and thickness of girder at centre 9 1/2 x 7 1/8 (2)" Length as per rule 37" 6/2" Distance apart 8 1/2" Number and pitch of Stays in each 3 at 9"
 Working pressure by rules 182 Steam dome: description of joint to shell Yes % of strength of joint Yes
 Diameter Yes Thickness of shell plates Yes Material Yes Description of longitudinal joint Yes Diam. of rivet holes Yes
 Pitch of rivets Yes Working pressure of shell by rules Yes Crown plates Yes Thickness Yes How stayed Yes

SUPERHEATER. Type Yes Date of Approval of Plan Yes Tested by Hydraulic Pressure to Yes
 Date of Test Yes Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes
 Diameter of Safety Valve Yes Pressure to which each is adjusted Yes Is Easing Gear fitted Yes

FOR JOHN G. KINCAID & COY. LIMITED

The foregoing is a correct description,

W. G. Kincaid

Manufacturer.

DIRECTOR

Is the approved plan of boiler forwarded herewith YesTotal No. of visits Yes

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

This boiler has been built under special survey in accordance with the approved plans. The workmanship & material are of good quality. Boiler now shipped to Middlesbrough at which port it will be fitted on board. This Report accompanies that of the Machinery. This boiler has been recently fitted aboard & its safety valves have been adjusted under steam.

Survey Fee See Machinery Report When applied for 14th November 1927Travelling Expenses (if any) See Machinery Report When received 19Committee's Minute GLASGOW 8th NOV 1927Assigned Deferred

Engineer Surveyor to Lloyd's Register of Shipping.

21 FEB 1928

Lloyd's Register Foundation