

REPORT ON BOILERS.

No. 18864

Received at London Office 4 APR 1928

Date of writing Report 24/2/27 When handed in at Local Office 29/3/28 Port of Greenock
 No. in Survey held at Greenock Date, First Survey 15th February 1927 Last Survey 29/3/1928
 Reg. Book. 40033 on the M/V "British Courage" (Number of Visits) Gross Tons Net Tons
 Master Pl. Glasgow Built at Pl. Glasgow By whom built Thos. & Co. Ltd When built 1928
 Engines made at Greenock By whom made John & Kincaid & Co. Ltd When made 1928
 Boilers made at ditto By whom made ditto When made 1928
 Registered Horse Power Owners British Tanker Co. Ltd Port belonging to London

MULTITUBULAR BOILERS - MAIN, AUXILIARY - Manufacturers of Steel Suberoffung & Co. Ltd / Benham

Letter for record S Total Heating Surface of Boilers 2478 sq ft Is forced draft fitted yes No. and Description of boilers 2 Single Ended Working Pressure 150 Tested by hydraulic pressure to 245 Date of test 16.9.27
 No. of Certificate 1444 Can each boiler be worked separately yes Area of fire grate in each boiler yes No. and Description of safety valves to each boiler Double Spring Area of each valve 4.09 sq ft Pressure to which they are adjusted 155
 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 1-5 Mean dia. of boilers 11-6 Length 11-6
 Material of shell plates S Thickness 13/16 Range of tensile strength 28/32 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams DR long. seams TR.D.B.S. Diameter of rivet holes in long. seams 7/8 Pitch of rivets 6 1/2
 Width of butt straps 1-1 1/4 Per centages of strength of longitudinal joint rivets 87.6 Working pressure of shell by rules 154 Size of manhole in shell 1-3 1/2 x 1-7/8 Size of compensating ring 2-3/8 x 2-3/4 x 1/32 No. and Description of Furnaces in each boiler 2 Bourgafer Material S Outside diameter 3-6 1/4 Length of plain part 7-1/2 Thickness of plates 7/16
 Description of longitudinal joint weld No. of strengthening rings 1 Working pressure of furnace by the rules 160 Combustion chamber plates: Material S Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 5/8 Pitch of stays to ditto: Sides 10-8 3/4 Back 9 3/4 x 9
 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 153 Material of stays S Area at smallest part 1-9 3/4 x 2-03 Area supported by each stay 8 3/4 Working pressure by rules 143 End plates in steam space: Material S Thickness 29/32
 How are stays secured DN Working pressure by rules 151 Material of stays S Area at smallest part 3-6 1/4
 Area supported by each stay 249.4 Working pressure by rules 156 Material of Front plates at bottom S Thickness 29/32 Material of lower back plate S Thickness 29/32 Greatest pitch of stays 13 3/4 Working pressure of plate by rules 154 Diameter of tubes 2 3/4
 Pitch of tubes 4-4 Material of tube plates S Thickness: Front 29/32 Back 1 1/16 Mean pitch of stays 10 Pitch across wide inter spaces 13 3/4 Working pressures by rules 154 Girders to Chamber tops: Material S Depth and thickness of girder at centre 8 1/2 x 3/4 Length as per rule 35.7 Distance apart 10 1/8 Number and pitch of Stays in each 3 at 8 3/4
 Working pressure by rules 155 Steam dome: description of joint to shell % of strength of joint
 Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Working pressure of shell by rules Crown plates Thickness How stayed

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

FOR JOHN G. KINCAID & COY, LIMITED
 The foregoing is a correct description,
W. Carter Manufacturer.
 DIRECTOR

Is the approved plan of boiler forwarded herewith yes
 Total No. of visits 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 plans & the workmanship & material are of good quality they are now securely fitted on board this Repl. accompanies trial of the Machinery.

Survey Fee ... £ ... When applied for, 19...
 Travelling Expense ... £ ... When received, 19...
W. Gordon-Mitchell
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 3 - APL 1928
 Signed See accompanying mach. report.
 Lloyd's Register Foundation