

REPORT ON BOILERS.

No. 18643.

19 JAN 1927

Received at London Office

Date of writing Report 29/9/26 When handed in at Local Office 11th January 1927 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 3rd August, 1925 Last Survey 18th January, 1927
 Reg. Book. T/S S "Rodney Star" (Number of Visits 99) Tons Gross
 Master W. H. ... Built at Glasgow By whom built Lithgow & Co When built 1926
 Engines made at Walsby By whom made Parson Marine Steam Turbine Co Ltd When made 1926
 Boilers made at Glasgow By whom made John & Kincaid & Co Ltd When made 1926
 Registered Horse Power ... Owners Blue Star Line (1920) Ltd Port belonging to London

MULTITUBULAR BOILERS—MAIN, ...—Manufacturers of Steel Krupps, Colville Lanarkshire Scotland & Co

(Letter for record R) Total Heating Surface of Boilers 4832 sq ft Is forced draft fitted Yes No. and Description of Boilers 2 Single Ended Working Pressure 200 Tested by hydraulic pressure to 250 Date of test 17.3.26
 No. of Certificate 1716 Can each boiler be worked separately Yes Area of fire grate in each boiler 70 sq ft No. and Description of safety valves to each boiler 2 back to improved high lift Area of each valve 4.06 sq in Pressure to which they are adjusted 205
 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 5.0 dia. of boilers 14.6 Length 12-0
 Material of shell plates S Thickness 1 9/32 Range of tensile strength 28/32 Are the shell plates welded or flanged —
 Descrip. of riveting: cir. seams DR long. seams TR.D.B.S Diameter of rivet holes in long. seams 1 9/32 Pitch of rivets 10 1/2
 Lap of plates width of butt straps 1-11 1/8 Per centages of strength of longitudinal joint rivets 91.7 Working pressure of shell by plate 84.82
 rules 207 Size of manhole in shell 16 1/2 x 20 1/2 Size of compensating ring 33 3/8 x 38 1/8 x 1 9/32 No. and Description of Furnaces in each boiler 4 Deighton Material S Outside diameter 3-10 1/4 Length of plain part ... Thickness of plates crown 5/8 bottom 5/8
 Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 211 Combustion chamber plates: Material S Thickness: Sides 2 1/32 Back 1 1/16 Top 2 1/32 Bottom 1 3/16 Pitch of stays to ditto: Sides 8 1/2 x 8 3/4 Back 9 x 9
 Top 8 1/2 x 8 3/4 If stays are fitted with nuts or riveted heads Yes Working pressure by rules 207 Material of stays Iron Area at smallest part 4.3 Area supported by each stay 42.25 Working pressure by rules 204 End plates in steam space: Material S Thickness 1 1/32
 Pitch of stays 22 1/2 x 17 1/2 How are stays secured DN-W Working pressure by rules 208 Material of stays S Area at smallest part 4.85
 Area supported by each stay 393.76 Working pressure by rules 22.1 Material of Front plates at bottom S Thickness 1 Material of Lower back plate S Thickness 2 1/32 Greatest pitch of stays 14.9 Working pressure of plate by rules 207 Diameter of tubes 2 1/2
 Pitch of tubes 3 1/8 x 3 1/16 Material of tube plates S Thickness: Front 1 Back 2 3/32 Mean pitch of stays 9.2 Pitch across wide water spaces 13 1/2 Working pressures by rules 205 Girders to Chamber tops: Material S Depth and thickness of girder at centre 10 1/8 x 3 1/4 (2) Length as per rule 34.6 Distance apart 8 3/4 Number and pitch of Stays in each 3 at 8 1/2
 Working pressure by rules 206 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 ...
 Tested by Hydraulic Pressure to ...

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

FOR JOHN G. KINCAID & COY. LIMITED
 The foregoing is a correct description,
W. Gordon Maclean Manufacturer.
 Is the approved plan of boiler forwarded herewith Yes
 Total No. of visits ...

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 Rept. accompanies trial of the Machinery

Survey Fee £ ... When applied for, 19...
W. Gordon Maclean When received, 19...

Committee's Minute GLASGOW 18 JAN 1927
 signed See accompanying report

W. Gordon Maclean
 Engineer Surveyor to Lloyd's Register of Shipping.
 TUES. 19 JUL 1927
 WED. 11 APR 1928
 TUE. 4 JUN 1925
 FRI. 14 FEB 1930
 27 FEB 1931
 1 MAY 1931
 Lloyd's Register
 477-0157