

REPORT ON BOILERS.

No. 18770.

Report 24/6/1924 When handed in at Local Office 28/9/1924 Port of Greenock
 Survey held at Greenock Date, First Survey 24th April, 1924 Last Survey 24th June, 1924
 Name of the vessel T/S "Rouma" (Number of Visits 11)
 Built at Ardronau By whom built Ardronau & Co. Ltd. When built 1927
 Made at Greenock By whom made W. Beardmore & Co. Ltd. When made 1927
 Horse Power Owners Union Castle Mail S/S Co. Ltd. Port belonging to London.

TUBULAR BOILERS - MAIN, Beardmore
 Total Heating Surface of Boilers 1354.3 sq ft Is forced draft fitted No
 Working Pressure 180 Tested by hydraulic pressure to 320
 No. and Description of Boilers Single Ended Date of test 24/6/27
 Can each boiler be worked separately Yes Area of fire grate in each boiler 31.6 sq ft
 No. and Description of Grates Double Spring Pressure to which they are adjusted 185
 Area of each valve 3.98 sq ft
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes
 Distance between boilers or uptakes and bunkers or woodwork 2'-0" Int. dia. of boilers 11'-9" Length 10'-6"
 Thickness of shell plates 1" Range of tensile strength 28/32 Are the shell plates welded or flanged Yes
 Riveting: cir. seams DR long. seams TRIDBS Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 4 5/8"
 Width of butt straps 16" Per centages of strength of longitudinal joint rivets 89.4% plate 86.0% Working pressure of shell by rules 185
 Size of manhole in shell 16 1/2 x 20 1/2 Size of compensating ring 30 1/8 x 34 1/8 x 1 3/32 No. and Description of Furnaces in each boiler
 Material Steel Outside diameter 3'-8 1/4" Length of plain part top 17'-32" bottom 17'-32" Thickness of plates crown 17'-32" bottom 17'-32"
 No. of strengthening rings Working pressure of furnace by the rules 185 Combustion chamber
 Thickness: Sides 2 1/32" Back 1 1/16" Top 2 1/32" Bottom 3/4" Pitch of stays to ditto: Sides 9 1/8 x 8 9/16" Back 8 3/8 x 10"
 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 194 Material of stays Steel Area at top of stays 203.236 sq in Working pressure by rules 185 End plates in steam space: Material Steel Thickness 1 1/2"
 How are stays secured DN. Washers Working pressure by rules 186 Material of stays Steel Area at smallest part 4'-90"
 Working pressure by rules 186 Material of Front plates at bottom Steel Thickness 1 1/2" Material of
 plate Steel Thickness 1 1/2" Greatest pitch of stays 13 3/4" Working pressure of plate by rules 190 Diameter of tubes 3"
 Material of tube plates Steel Thickness: Front 1 1/32" Back 2 5/32" Mean pitch of stays 9'-43" Pitch across wide
 Working pressures by rules 184 Girders to Chamber tops: Material Steel Depth and thickness of
 14" Length as per rule 30.54 Distance apart 8 9/16" Number and pitch of Stays in each 2 at 9 5/8"
 Working pressure by rules 204 Steam dome: description of joint to shell
 Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Working pressure of shell by rules Crown plates Thickness How stayed

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

Is the approved plan of boiler forwarded herewith Yes
 Total No. of visits 11

REMARKS (State quality of workmanship, opinions as to class, &c.)
 These Boilers have been surveyed in accordance with the approved plan & the material & workmanship are of quality they are now securely fitted on board. Ref. acc. to plan of the vessel. (Ref. 46981.)

When applied for, 29th Sept. 1924
 When received, 4.10.1927
W. C. Carter
 Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 4 - OCT 1927
 See accompanying mach. report.



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