

REPORT ON BOILERS.

Received at London Office 12 MAR 1930

Date of writing Report 22ND FEB'Y 1930 When handed in at Local Office MARCH 1930 Port of Greenock

No. in Reg. Book. Greenock Date, First Survey 2ND JULY 1929 Last Survey 4TH MARCH 1930

on the S/S "Dalcroy" (Number of Visits) Gross 4554.64 Tons Net 2821.02

Master Built at Greenock By whom built Scott & BIECO^{LD} Yard No. When built 1930

Engines made at Greenock By whom made Scott & BIECO^{LD} Engine No. 614 When made 1930

Boilers made at ditto By whom made ditto Boiler No. 617 When made 1930

Nominal Horse Power Owners United Steam Nav Co^{LD} Port belonging to Newcastle

MULTITUBULAR BOILERS—MAIN, ~~XXXXXXXXXX~~

Manufacturers of Steel Steel Co of Scotland & (Raine Co Newcastle) (Letter for Record R)

Total Heating Surface of Boilers 6200 # Is forced draught fitted yes Coal or Oil fired Coal

No. and Description of Boilers 3 Single Ended Working Pressure 250

Tested by hydraulic pressure to 425 Date of test 29. 10. 29 No. of Certificate 1900 Can each boiler be worked separately yes

Area of Firegrate in each Boiler 42.6 # No. and Description of safety valves to each boiler Ballbein Improved High Lift

Area of each set of valves per boiler 49.45 # Pressure to which they are adjusted 255 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 1.3 Is oil fuel carried in the double bottom under boilers No

Smallest distance between shell of boiler and tank top plating 2.1 Is the bottom of the boiler insulated yes

Largest internal dia. of boilers 13.10 1/2 Length 11.3 Shell plates: Material S Tensile strength 29-33

Thickness 1 17/32 Are the shell plates welded or flanged — Description of riveting: circ. seams DR

long. seams TR & DBS Diameter of rivet holes in 1 9/16 Pitch of rivets 4.55

Percentage of strength of circ. end seams 65.6 Percentage of strength of circ. intermediate seam —

Percentage of strength of longitudinal joint 85.4 Working pressure of shell by Rules 254

Thickness of butt straps 1 3/16 No. and Description of Furnaces in each Boiler 3 Deightous 3 1/2

Material S Tensile strength 26-30 Smallest outside diameter 3.2.249

Length of plain part — Thickness of plates 2 1/32 Description of longitudinal joint weld

Dimensions of stiffening rings on furnace or c.c. bottom — Working pressure of furnace by Rules 252

End plates in steam space: Material S Tensile strength 26.30 Thickness 1 9/32 Pitch of stays 18.14

How are stays secured DN Working pressure by Rules 251

Tube plates: Material S Tensile strength 26-30 Thickness 7/8

Mean pitch of stay tubes in nests 10.312 Pitch across wide water spaces 14 Working pressure 258

Girders to combustion chamber tops: Material S Tensile strength 29.33 Depth and thickness of girder

at centre 9+7/8 (2) Length as per Rule 31.75 Distance apart 8 1/2 No. and pitch of stays

in each 3 at 4 1/2 Working pressure by Rules 254 Combustion chamber plates: Material S

Tensile strength 26.30 Thickness: Sides 1 1/16 Back 1 1/16 Top 1 1/16 Bottom 7/8

Pitch of stays to ditto: Sides 4 1/2 + 8 1/4 Back 8 + 8 Top 4 1/2 + 8 1/2 Are stays fitted with nuts or riveted over Nuts

Working pressure by Rules 258 Front plate at bottom: Material S Tensile strength 26.30

Thickness 7/8 Lower back plate: Material S Tensile strength 26.30 Thickness 1 5/16 Douller

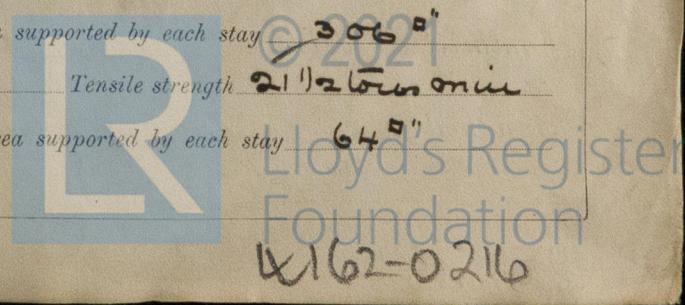
Pitch of stays at wide water space 14 3/4 Are stays fitted with nuts or riveted over Nuts

Working Pressure 260 Main stays: Material S Tensile strength 28-32

Diameter 3 No. of threads per inch 6 Area supported by each stay 306

Working pressure by Rules 300 Screw stays: Material iron Tensile strength 21 1/2

Diameter 1 3/4 No. of threads per inch 9 Area supported by each stay 64



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