

REPORT ON BOILERS.

No. 18039

22 JUL 1932

1933

Received At London Office

Date of writing Report 20. 7. 32 When handed in at Local Office 21. 7. 32 Port of Grimsby
 No. in Survey held at Reg. Book Lincoln Date, First Survey 17. 11. 1931 Last Survey 15. 7. 1932
 (Number of Visits 48) Tons Gross Net
 Built at Hongfalcone By whom built Cantieri Riuniti dell'Adriatico Yard No. 250 When built
 Engines made at By whom made Engine No. When made
 Boilers made at Lincoln By whom made Babcock & Wilcox, Ltd. Boiler No. 734626-7 When made 1932
 Owners Port belonging to

VERTICAL DONKEY BOILER.

Made at Lincoln By whom made Babcock & Wilcox Boiler No. 734626-7 When made 1932 Where fixed
 Manufacturers of Steel Parkgate 128, Co. Ltd. Fordingham 108, Co. Ltd. Cooper & Turner, Ltd.
 Total Heating Surface of Boiler 500 sq. ft. Is forced draught fitted Coal or Oil fired Fuel gas
 No. and Description of Boilers Two, black iron, waste heat. Working pressure 100 lb.
 Tested by hydraulic pressure to 200 lb. Date of test 6-6-32 No. of Certificate 327-328
 No. and Description of safety valves to each boiler One 2 1/4" duplex, waste type
 of each set of valves per boiler per rule 5.5.4 Pressure to which they are adjusted 7.96 lb. Are they fitted with easing gear yes
 whether steam from main boilers can enter the donkey boiler Smallest distance between boiler or uptake and bunkers
 Is oil fuel carried in the double bottom under boiler Smallest distance between base of boiler and tank top plating
 Is the base of the boiler insulated Largest internal dia. of boiler 7'-8" Height 14'-4 1/2"
 plates: Material S. L. Steel Tensile strength 26/32 T. Thickness 1/2"
 shell plates welded or flanged Description of riveting: circ. seams end S. L. Lap long. seams D. R. D. B. S.
 Dia. of rivet holes in circ. seams 7/8" Pitch of rivets 2" Percentage of strength of circ. seams plate 56.2 rivets 49.5 of Longitudinal joint plate 72 rivets 110 combined
 Working pressure of shell by rules 111 lb. Thickness of butt straps outer 7/16" inner 7/16"
 Shell Crown: Whether complete hemisphere, dished partial spherical, or flat dished Material S. L. Steel
 Tensile strength 26/30 T. Thickness 3/4" Radius 6'-0" Working pressure by rules 103 lb.
 Description of Furnace: Plain, spherical, or dished crown dished Material S. L. Steel Tensile strength 26/30 T.
 Thickness 7/8" External diameter top 4'-7 3/4" bottom " Length as per rule 6'-10 1/2" Working pressure by rules 102 lb.
 Pitch of support stays circumferentially and vertically Are stays fitted with nuts or riveted over
 Diameter of stays over thread Radius of spherical or dished furnace crown 4'-0" Working pressure by rule 118 lb.
 Thickness of Ogee Ring 7/8" Diameter as per rule 7'-3 5/16" Working pressure by rule 108 lb.
 Combustion Chamber: Material Tensile strength Thickness of top plate
 Radius if dished Working pressure by rule Thickness of back plate Diameter if circular
 Length as per rule Pitch of stays Are stays fitted with nuts or riveted over
 Diameter of stays over thread Working pressure of back plate by rules
 Tube Plates: Material front S. L. Steel Tensile strength 26/30 T. Thickness 7/8" Mean pitch of stay tubes in nests
 If comprising shell, Dia. as per rule front 4'-7 3/4" Pitch in outer vertical rows 4'-7 3/4" Dia. of tube holes FRONT stay 3/4" BACK stay 3/4"
 Is each alternate tube in outer vertical rows a stay tube No stay Working pressure by rules front back
 Girders to combustion chamber tops: Material Tensile strength
 Depth and thickness of girder at centre Length as per rule
 Distance apart No. and pitch of stays in each Working pressure by rule

Crown stays: Material ☒ Tensile strength ☒ Diameter ☒ at body of stay, or over threads ☒

No. of threads per inch ☒ Area supported by each stay ☒ Working pressure by rules ☒

Screw stays: Material ☒ Tensile strength ☒ Diameter ☒ at turned off part, or over threads ☒ No. of threads per inch ☒

Area supported by each stay ☒ Working pressure by rules ☒ Are the stays drilled at the outer ends ☒

Thimble Tubes: Material ☒ External diameter ☒ plain stay ☒ Thickness ☒ 203

No. of threads per inch ☒ Pitch of tubes ☒ 89 x 146 mm Working pressure by rules ☒ 183

Manhole Compensation: Size of opening in shell plate ☒ 19 x 15 Section of compensating ring ☒ 4 1/2 x 1 No. of rivets and diameter of rivet holes ☒ 44, 15/16 Outer row rivet pitch at ends ☒ 3.3 Depth of flange if manhole flanged ☒

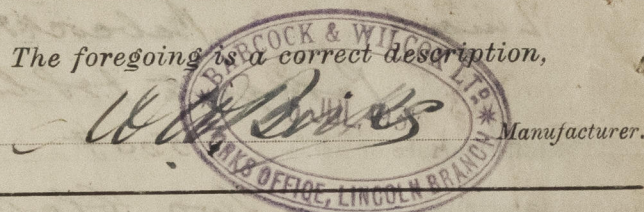
Uptake: External diameter ☒ 3'-1 1/8 Thickness of uptake plate ☒ 35/64

Cross Tubes: No. ☒ External diameters ☒ Thickness of plates ☒

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with ☒

The foregoing is a correct description,

Annual Survey Request



Dates of Survey while building ☒ During progress of work in shops ☒ ☒ During erection on board vessel ☒

1931 Nov 17-25-27 Dec 4-10-18-30-31 1932 Jan 6-15-22-26 Feb 8-11-18-23-25 Mar 11-24 Apr 1-5-11-14-19-22-29 May 3-4-6-13-18 May 19-25-29-30-31 Jun 1-6-8-10-15-17-20-27-29 Jul 1-6-15 Is the approved plan of boiler forwarded herewith ☒ 21/10/31 (If not state date of approval.)

Total No. of visits ☒ 48

Is this Boiler a duplicate of a previous case ☒ yes If so, state Vessel's name and Report No. ☒ Caution: Runners dell Admatico Yard No 249 - Gms Rpt 17944

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under special survey and in accordance with the approved plans & Rules, as per the Secretary's letter of the 21st October, 1931 to Messrs. The Black & White Thimble Tube Works Ltd. The materials and workmanship are good.

(For advice note see 7840 for Admatico 251 Gms 18040)

Survey Fee ... £ 8 : 8 : 0 When applied for, 1. 7 19 32

Travelling Expenses (if any) £ 5 19 0 When received, 28. 7 19 32

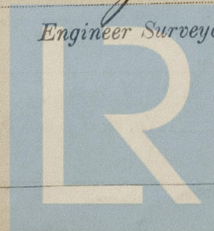
Committee's Minute

WED. 19 APR 1933

Assigned

See 7. E. Rpt

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation