

# REPORT ON BOILERS.

No. 55242

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on the S.S. "BALTRADER". (Number of Visits 19) Tons { Gross 1846 Net 990

Master - Built at Hamburg By whom built Deutsche Werft A.G. Yard No. - When built 1945

Engines made at Hamburg By whom made Ottensener Eisenwerk A.G. Engine No. - When made 1945

Boilers made at - By whom made - Boiler No. - When made -

Nominal Horse Power M.H.P. 318 Owners United Baltic Corporation Ltd. Port belonging to London

## Water tube and MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY. Combined

Manufacturers of Steel - (Letter for Record - )

Total Heating Surface of Boilers 275 (blr. 3660, Spt. 1615) Is forced draught fitted Yes Coal or Oil fired coal

No. and Description of Boilers 2 Capus Type. Working Pressure 216 lbs.

Tested by hydraulic pressure to - Date of test - No. of Certificate - Can each boiler be worked separately Yes

Area of Firegrate in each Boiler 46.3 sq.ft. per boiler. No. and Description of safety valves to each boiler 2 - Spring Loaded.

Area of each set of valves per boiler { per Rule - as fitted 14 sq.in. Pressure to which they are adjusted 225 lbs. 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 11" Is oil fuel carried in the double bottom under boilers No

Smallest distance between shell of boiler and tank top plating 21" Is the bottom of the boiler insulated Yes

Largest internal dia. of boilers 12'9" Length 13'0" Shell plates: Material steel Tensile strength -

Thickness 1.1/4" Are the shell plates welded or flanged - Description of riveting: circ. seams { end double riveted inter. -

long. seams Double butt strap. Diameter of rivet holes in { circ. seams - Pitch of rivets { 4 1/2" 110" 4 1/2" 210" 22/10/48

Percentage of strength of circ. end seams { plate - rivets - Percentage of strength of circ. intermediate seam { plate - rivets -

Percentage of strength of longitudinal joint { plate - rivets - combined - Working pressure of shell by Rules -

Thickness of butt straps { outer 1.1/4" inner 1.1/4" No. and Description of Furnaces in each Boiler 3 corrugated

Material steel Tensile strength - Smallest outside diameter 36.11/16" ✓

Length of plain part { top - bottom - Thickness of plates { crown 5/8" bottom 5/8" Description of longitudinal joint welded. ✓

Dimensions of stiffening rings on furnace or c.c. bottom none ✓ Working pressure of furnace by Rules -

End plates in steam space: Material steel Tensile strength - Thickness 2.1/16" Pitch of stays 17 1/4 x 16"

How are stays secured screwed with external nuts & washers. Working pressure by Rules -

Tube plates: Material { front steel back -do- Tensile strength { - Thickness { 1.1/16" 1.1/16" ✓

Mean pitch of stay tubes in nests 8 1/4" x 8 1/4" Pitch across wide water spaces 14 1/4" 360 Working pressure { 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 Rules -

Combustion chamber plates: Material - Tensile strength - Thickness: Sides - Back - Top - Bottom -

Pitch of stays to ditto: Sides - Back - Top - Are stays fitted with nuts or riveted over -

Working pressure by Rules - Front plate at bottom: Material steel Tensile strength - Thickness 1.1/16" ✓ Lower back plate: Material steel Tensile strength - Thickness 1 1/16" -

Pitch of stays at wide water space - Are stays fitted with nuts or riveted over -

Working Pressure - Main stays: Material steel Tensile strength -

Diameter { At body of stay, 3", 3.3/8" No. of threads per inch 6 & 9 Area supported by each stay { Over threads 3.5/16", 3 3/4"

Working pressure by Rules - Screw stays: Material - Tensile strength -

Diameter { At turned off part, - No. of threads per inch - Area supported by each stay { Over threads -



