

REPORT ON BOILERS.

No. 57355

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No. in Survey held at Glasgow Date, First Survey 29.5.36 Last Survey 15-8-1936

2706 on the Tri. Se. "CERAMIC" (Number of Visits 35) Tons { Gross 18713 Net 11582

Master Built at Belfast By whom built Hauland & Wolff Ltd. Yard No. _____ When built 1913

Engines made at Belfast By whom made Hauland & Wolff Ltd. Engine No. _____ When made 1913

Boilers made at Belfast By whom made Hauland & Wolff Ltd. Boiler No. _____ When made 1913

Nominal Horse Power _____ Owners Shaw, Savill, & Albion Co. Ltd. Port belonging to Southampton

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel _____ (Letter for Record (S))

Total Heating Surface of Boilers 30,090 sq. ft. Is forced draught fitted No. Coal or Oil fired Coal.

No. and Description of Boilers Six double ended multitubular Working Pressure 215 lbs.

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

Area of Firegrate in each Boiler 120.83 sq. ft. No. and Description of safety valves to each boiler 3 spring loaded, in one chest.

Area of each set of valves per boiler { per Rule 27.25 sq. in. as fitted 28.86 sq. in. Pressure to which they are adjusted 215 lbs. Are they fitted with easing gear Ys.

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork 20 1/2" Is oil fuel carried in the double bottom under boilers No.

Smallest distance between shell of boiler and tank top plating 25" Is the bottom of the boiler insulated Ys.

Largest internal dia. of boilers 15'-6" Length 19'-0" Shell plates: Material S Tensile strength 29

Thickness 1 1/32" Are the shell plates welded or flanged No. Description of riveting: circ. seams { end DRL inter. TRL

Long. seams TR. D.B.S. Diameter of rivet holes in { circ. seams 1 1/32" long. seams 1 1/32" Pitch of rivets { 4.06" 5"

Percentage of strength of circ. end seams { plate 59.3 rivets 50.8 Percentage of strength of circ. intermediate seam { plate 64.8 rivets 65.7

Percentage of strength of longitudinal joint { plate 83.4 rivets 96.6 combined 86.2 Working pressure of shell by Rules 241 lbs.

Thickness of butt straps { outer 1 7/16" inner _____ No. and Description of Furnaces in each Boiler Six corrugated Morrison

Material S Tensile strength 26 Smallest outside diameter 3'-9 7/16"

Length of plain part { top _____ bottom _____ Thickness of plates { crown 23/32" bottom _____ Description of longitudinal joint Weld

Dimensions of stiffening rings on furnace or c.c. bottom None Working pressure of furnace by Rules 232.2 lbs.

End plates in steam space: Material S Tensile strength 26 Thickness 1 1/8" Pitch of stays 18 x 15 1/2"

How are stays secured Nuts inside, washer & nut outside. Working pressure by Rules 238.

Tube plates: Material { front S back _____ Tensile strength { 26 Thickness { 7/8" 13/16"

Mean pitch of stay tubes in nests 8 Pitch across wide water spaces 16" Working pressure { front 219.5 back 210

Girders to combustion chamber tops: Material W.I. Tensile strength 24 Depth and thickness of girder _____

at centre 8' x 7 1/8" Length as per Rule 49 3/8' Distance apart 8 1/2' No. and pitch of stays _____

in each 6' x 7 1/4" Working pressure by Rules 320 lbs. Combustion chamber plates: Material S

Tensile strength 26 Thickness: Sides 7/8" Back _____ Top 7/8" Bottom 1 1/32"

Pitch of stays to ditto: Sides 7 3/4' x 7 3/4' Back _____ Top 7 1/4' x 8 1/2' Are stays fitted with nuts or riveted over Nuts.

Working pressure by Rules 251, 243. Front plate at bottom: Material S Tensile strength 26

Thickness 7/8" Lower back plate: Material _____ Tensile strength _____ Thickness _____

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

Working Pressure _____ Main stays: Material W.I. Tensile strength 21 1/2

Diameter { At body of stay, 2 1/4" No. of threads per inch 9 Area supported by each stay 148.5 sq. in. or 2 1/2"

Working pressure by Rules 229 Screw stays: Material S Tensile strength _____

Diameter { At turned off part, 1 7/8" No. of threads per inch 10 Area supported by each stay 60.06 or _____

