

REPORT ON BOILERS.

No. 11705.00

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Date of writing Report Jan 24 1924 When handed in at Local Office Jan 24 1924 Port of Southampton
 No. in Survey held at Southampton Date, First Survey Jan 15 Last Survey Jan 22 1924
 Reg. Book. 34259 on the T.S.S. SUNTEMPLE. (Number of Visits 5) Gross 2378 Tons Net 1387
 Master _____ Built at Belfast By whom built Harland & Wolff When built 1909
 Engines made at Belfast By whom made Harland & Wolff when made 1909
 Boilers made at no. By whom made no. when made 1909
 Registered Horse Power _____ Owners United Baltic Corporation Ltd. Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record S) Total Heating Surface of Boilers 4198 Is forced draft fitted no. No. and Description of Boilers Two S.B Working Pressure 215 lbs Tested by hydraulic pressure to _____ Date of test _____
 No. of Certificate ✓ Can each boiler be worked separately yes Area of fire grate in each boiler 57.6 No. and Description of safety valves to each boiler Two spring loaded Area of each valve 7.0686 Pressure to which they are adjusted 215 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 6' Mean dia. of boilers 14" Length 11'-9"
 Material of shell plates steel Thickness 1 1/2" Range of tensile strength 29633 lbs Are the shell plates welded or flanged flanged
 Descrip. of riveting: cir. seams D.R. long. seams T.R. D.B.S. Diameter of rivet holes in long. seams 1 3/32" Pitch of rivets 10"
 Lap of plates or width of butt straps 22 1/4" x 1 5/8" Per centages of strength of longitudinal joint rivets 89.5 Working pressure of shell by rules 250 plate 84.68
 Size of manhole in shell 12" x 16" Size of compensating ring 28" x 32" No. and Description of Furnaces in each boiler 3 Morrison Material steel Outside diameter 3'-9 1/4" Length of plain part top 8 1/2 Thickness of plates crown 3/32" bottom 3/32"
 Description of longitudinal joint seamless No. of strengthening rings ✓ Working pressure of furnace by the rules 228 Combustion chamber plates: Material steel Thickness: Sides 3/32" Back 5/8" Top 3/32" Bottom 3/8" Pitch of stays to ditto: Sides 8 x 8 Back 8 1/4 x 7 1/4
 Top 8 x 8 1/4 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 217 Material of stays steel Diameter at smallest part 1.545 Area supported by each stay 685 Working pressure by rules 230 End plates in steam space: Material steel Thickness 1 1/2"
 Pitch of stays 16 1/2 x 14 3/4 How are stays secured D.N. & WAINERS Working pressure by rules 248 Material of stays steel Diameter at smallest part 2.87
 Area supported by each stay 243.5 Working pressure by rules 248 Material of Front plates at bottom steel Thickness 1 5/8" Material of Lower back plate steel Thickness 3/8" Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes 2 3/4"
 Pitch of tubes 4" x 4" Material of tube plates steel Thickness: Front 1 5/8" Back 1 3/8" Mean pitch of stays 8 1/8" Pitch across wide water spaces 1'-2" Working pressures by rules 260 Girders to Chamber tops: Material steel Depth and thickness of girder at centre 10" x 3 1/2" x 2 Length as per rule 2'-11" Distance apart 8 1/4" x 7 1/4" Number and pitch of Stays in each 3 at 8"
 Working pressure by rules 260 Superheater or Steam chest; how connected to boiler _____ Can the superheater be shut off and the boiler worked separately _____ Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____ Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____
 If stiffened with rings _____ Distance between rings _____ Working pressure by rules _____ End plates: Thickness _____ How stayed _____ Working pressure of end plates _____ Area of safety valves to superheater _____ Are they fitted with easing gear _____

The foregoing is a correct description,

Manufacturer.

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

Is the approved plan of boiler forwarded herewith

Total No. of visits

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.) The boilers have been examined in their entirety, scantlings checked & found to be in accordance with the plan & eligible in my opinion for a working pressure of 215 lbs

Survey Fee ... £ _____ When applied for. _____ 19 _____
 Travelling Expenses (if any) £ _____ When received. _____ 19 _____

Committee's Minute

Assigned No action

FRI FEB 8 1924

FRI. MAY. 30 1924

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

N.A. Garnett



Lloyd's Register Foundation W592-0113