

REPORT ON BOILERS.

No. 23.

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Writing Report 27/11/1917 When handed in at Local Office

191 Port of Port Arthur, Ont.

Survey held at Port Arthur, Ont. Date, First Survey Oct 11 1917 Last Survey Nov 26 1917
 Book. on the Single Screw Steel steamer "War Dance" (Number of Visits) Gross 2231 3/4
 Tons Net 898.98
 Ches. Hall Built at Port Arthur By whom built Port Arthur Shipbuilding Co. Ltd. When built 1917
 es made at Port Arthur, Ont. By whom made Port Arthur Shipbuilding Co. Ltd. When made 1917
 s made at Port Arthur, Ont. By whom made Port Arthur Shipbuilding Co. Ltd. When made 1917
 ered Horse Power 146.85 Owners Imperial Munitions Board Port belonging to Port Arthur, Ont.

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel U.S. Steel products

for record 9 (S) Total Heating Surface of Boilers 5246 Is forced draft fitted No No. and Description of
 rs 2 Scotch Single Ended Working Pressure 190 Tested by hydraulic pressure to 285 Date of test 24/10/17 & 2/11/17
 Certificate 9 Can each boiler be worked separately yes Area of fire grate in each boiler 630 No. and Description of
 valves to each boiler 2 Spring Loaded Area of each valve 9.62 Pressure to which they are adjusted 190
 key fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 est distance between boilers or uptakes and bunkers or woodwork No woodwork Mean dia. of boilers 14-6" Int. Length 11'-0"
 rial of shell plates Steel Thickness 1 3/32 Range of tensile strength 62720 Are the shell plates welded or flanged flanged
 ip. of riveting: cir. seams L. S. R. long. seams D.S. - J.R. Diameter of rivet holes in long. seams 17/16 Pitch of rivets 5"
 of plates or width of butt straps Inside 21 x 1 5/16 Outside 1 3/32 Per centages of strength of longitudinal joint rivets 95.4 plate 84 Working pressure of shell by
 218 lbs Size of manhole in shell 12" x 16" Size of compensating ring 33 x 1 3/32 No. and Description of Furnaces in each
 3 Morrison Cor. Material Steel Outside diameter 46 1/16 Length of plain part top 8 1/16 crown 19/32
 bottom 8 1/16 Thickness of plates bottom 19/32
 iption of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 205 lbs Combustion chamber
 : Material Steel Thickness: Sides 5/8 Back 5/8 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 6 7/8 Back 6 7/8
 17 x 7 1/2 If stays are fitted with nuts or riveted heads Nuts & Riveted Working pressure by rules 206 Material of stays Steel Area at
 est part 2.06 Area supported by each stay 47 Working pressure by rules 208 End plates in steam space: Material Steel Thickness 1 3/16
 of stays 15 1/2 15 1/4 How are stays secured S. H. Secured Working pressure by rules 197 Material of stays Steel Area at smallest part 4.43
 supported by each stay 228 3/4 Working pressure by rules 197 Material of Front plates at bottom Steel Thickness 13/16 Material of
 back plate Steel Thickness 1 1/16 Greatest pitch of stays 6 7/8 x 13/16 Working pressure of plate by rules 209 Diameter of tubes 3 1/4
 of tubes 4 7/8 x 4 1/4 Material of tube plates Steel Thickness: Front 25/32 Back 25/32 Mean pitch of stays 8 1/4 x 8 1/2 Pitch across wide
 spaces 11 3/4 x 11 1/2 Working pressures by rules 194.4 Girders to Chamber tops: Material Steel Depth and thickness of
 at centre 2-8 5/8 x 3/4 Length as per rule 2-6 Distance apart 7 1/2 Number and pitch of Stays in each 3-7
 Working pressure by rules 208 Steam dome: description of joint to shell % of strength of joint

ter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 of rivets Working pressure of shell by rules Crown plates Thickness How stayed

REHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,

J. J. Paige Gen. Manager Manufacturer.

During progress of work in shops - Oct 11, 12, 13, 22, 23, 24, 30, 31 Is the approved plan of boiler forwarded herewith yes
 During erection on board vessel - Nov. 1, 2, 3, 15, to 26 Total No. of visits 22.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under special Survey in accordance with the Rules and approved. The workmanship and materials are good and the boilers will be eligible in my opinion to receive the Notation RLMC
 26/11/17

Survey Fee ... £ : : When applied for, 191
 Travelling Expenses (if any) £ : : When received, 191

Shipp Committee's Minute TUE. 30 APR. 1918
 signed See first Entry report attached

Robert Carr © 2021
 Engineer Surveyor to Lloyd's Register of Shipping.
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