

REPORT ON BOILERS.

No. 1479

Received at London Office WED. 26 SEP. 1918
Date of writing Report Feb. 28 1918 When handed in at Local Office Mar. 8 1918 Port of Montreal
No. in Survey held at Montreal Date, First Survey Dec. 11 - 1917 Last Survey Feb. 27 1918
Reg. Book. (Number of Visits 28) Gross 2332 Tons Net 1440
Entry on the Wood Screw Steamer "War Nootka",
Master N.C. King Built at Vancouver B.C. By whom built Western Canada Shipyards When built 1918.
Engines made at Toronto By whom made Canadian Allis-Chalmers. When made 1918.
Boilers made at Montreal By whom made Canadian Vickers Ltd. When made 2-18.
Registered Horse Power 328. Owners Messrs Furnie & Co. Port belonging to Liverpool

WATERTUBE BOILERS - MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel Lukens Co. Penn. U.S.A.

Letter for record) Total Heating Surface of Boilers 5280 sq ft Is forced draft fitted Yes No. and Description of Boilers 2 Horizontal Water Tube. Working Pressure 185 lbs Tested by hydraulic pressure to 370 lbs Date of tests 21-27

No. of Certificate Can each boiler be worked separately Yes Area of fire grate in each boiler 60 sq ft No. and Description of safety valves to each boiler 2 Marine Type. Area of each valve 8.2958 Pressure to which they are adjusted 185.

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No Donkey
Smallest distance between boilers or uptakes and bunkers or woodwork 8" Mean dia. of boilers 13'-6" Length 12'-0"

Material of shell plates Steel Thickness 9/16 Range of tensile strength 26-30 tons Are the shell plates welded or flanged No.
Descrip. of riveting: cir. seams Single long. seams Double Diameter of rivet holes in long. seams 7/8" Pitch of rivets 2.65"

Lap of plates or width of butt straps 4 3/16" Per centages of strength of longitudinal joint plate 67.00 65.8 Working pressure of shell by rules 217 239 Size of manhole in shell 16" x 12" Size of compensating ring No. and Description of Furnaces in each boiler

Material Outside diameter Length of plain part Thickness of plates crown bottom
Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber plates: Material Steel Thickness: Sides Back Top 1 3/8" Bottom Pitch of stays to ditto: Sides Back

Top 6" x 6 3/4" If stays are fitted with auto or riveted heads Yes Working pressure by rules Material of stays Steel Area at smallest part 1.010 Area supported by each stay 40.50 Working pressure by rules 197 1/2 End plates in steam space: Material Steel Thickness 7/8" + 3/4"

Pitch of stays How are stays secured Working pressure by rules Material of stays Area at smallest part
Area supported by each stay Working pressure by rules Material of Front plates at bottom Steel Thickness 7/8" Material of Lower back plate Steel Thickness 3/4" Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 2"

Pitch of tubes 2 3/4" x 3 1/8" Material of tube plates Steel Thickness: Front 1 3/8" Back 1 3/8" Mean pitch of stays Pitch across wide water spaces Working pressures by rules 252 Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6 1/4" x 1 1/8" double Length as per rule Distance apart 6" Number and pitch of Stays in each 4 - 6 3/4"

Working pressure by rules 197 1/2 Steam dome: description of joint to shell Studs in pads to connect with flange % of strength of joint of shells.
Diameter 27" Thickness of shell plates 7/16" Material Steel Description of longitudinal joint Lap Diam. of rivet holes 1 3/16"
Pitch of rivets 2 1/2 Working pressure of shell by rules 252 lbs END Crown plates Steel Thickness BLANK END 1" How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description of the boiler as built and in accordance with the plan forwarded herewith
Manufacturer. R.R.

Dates of Survey During progress of work in shops 1917 Dec. 11-14-29-31 1918 Jan 2-4-7-10-12-15-18-21-23-26-28-30-31 Feb 1-4-7-13-15-19-21-25-27
while building During erection on board vessel
Total No. of visits 28

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been constructed under special survey and in accordance with the rules. The workmanship is satisfactory & in my opinion they are eligible to receive the class of T.L.M.C. with date after being installed in the vessel. The equalizing tubes fitted & the boiler tested as a whole. The following marks are stamped on the collectors

No. 1A No. 1B No. 1C No. 2A No. 2B No. 2C
31-1-18 30-1-18 31-1-18 19-2-18 19-2-18 21-2-18
Survey Fee £ 861.00 When applied for, Mar. 1 1918
Travelling Expenses (if any) £ .50 When received, 307 4/19 1918

Committee's Minute FRI. 4-OCT. 1918
Assigned TUE. 10 DEC. 1918
FRI. 28 MAR. 1919

Engineer Surveyor to Lloyd's Register of Shipping.
TUE. 25 MAR. 1919

Lloyd's Register Foundation

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