

Rpt. 5.

REPORT ON BOILERS.

No. 1530

7.8 Rep. Mtl. 1658

THU. 3-APR. 1919

REC'D NEW YORK

Received at London Office

Date of writing Report July 22 1918 When handed in at Local Office

July 23 1918 Port of Montreal

No. in Survey held at Montreal
Reg. Book. on the S.S. "War Gape"

Date, First Survey May 14 1918 Last Survey Feb 27 1919
(Number of Visits) Gross 2268
Tons Net 1367

Master A. S. Mack Built at Quebec By whom built Quinn & Robertson When built 1918

Engines made at Amherst, N.S. By whom made Robt. Engineering Works, Ltd. When made 1918

Boilers made at Montreal By whom made Canadian Vickers Ltd. When made 1918

Registered Horse Power 328 322 Owners Imperial Munitions Board. Port belonging to Quebec

~~WATERTUBE BOILERS.~~
~~MULTITUBULAR BOILERS.~~ MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel Lukens Iron & Steel Co. P.A.

(Letter for record 6.) 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 280 lbs Date of test

No. of Certificate 12 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 8.29587 sq in Pressure to which they are adjusted 190 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 Mean dia. of boilers Length

Material of shell plates Steel Thickness 9/16 Range of tensile strength 26-30 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 rivets 68.58 TOP 67.0 BOTTOM 65.8 Working pressure of shell by rules 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

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 riveted heads Yes Working pressure by rules Material of stays Steel Diameter at

Smallest part 1 1/2" Area supported by each stay 4.050 Working pressure by rules 197 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 Diameter 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 3/8 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 Girders to Chamber tops: Material Steel Depth and thickness of

Order at centre 6 1/4" x 1 1/8" Length as per rule Distance apart 6 Number and pitch of Stays in each 4 - 6 3/4

Working pressure by rules 197 Superheater Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked

separately Diameter 27" Length Thickness of shell plates 7/8 Material Steel Description of longitudinal joint Lap Diam. of rivet

es 1 3/8 Pitch of rivets 2 1/2 Working pressure of shell by rules 252 Diameter of flue Material of flue plates Thickness

stiffened with rings Distance between rings Working pressure by rules End plates: Thickness 1 How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear C

VERTICAL DONKEY BOILER No. Description Manufacturers of steel

By whom made When made Where fixed Working pressure

Tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves

No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can

enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile

Strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates

Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

Shipping.

During progress of work in shops May 14 18 20 23 25 29 June 1 7 10 12 18 22 25 July 3 4 11 14 Aug 5 8 12 16 22 30 2013

During erection on board vessel Total No. of visits 24

Is the approved plan of main boiler forwarded herewith

" " " donkey " "

FOR CANADIAN VICKERS, LIMITED The foregoing is a correct description, Manufacturer. General Manager.

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W702-0028

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 and in my opinion they are eligible to receive the class **H.L.M.C.** with date after they are installed in the vessel, the registering rules filled and the boiler tested as a whole. The following marks have been stamped on the elements & collector

LLOYDS N°19A T.P. 280Lbs 25-6-18 WJA JTG	LLOYDS N°19B T.P. 280Lbs 25-6-18 WJA JTG	LLOYDS N°19C T.P. 280Lbs 25-6-18 WJA JTG	LLOYDS N°20A T.P. 280Lbs 4-7-18 WES JTG	LLOYDS N°20B T.P. 280Lbs 4-7-18 WES JTG	LLOYDS N°20C T.P. 280Lbs 4-7-18 WES JTG
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Certificate (if required) to be sent to

The amount of Entry Fee .. £

Special £ 66.00

Donkey Boiler Fee £

Travelling Expenses (if any) £

When applied for,

July 22 1918

When received,

24/5/1919

Committee's Minute

FRI. APR. 11. 1919

Assigned

See p. 1st attached No 1658

R. J. Alderson *W. Swinburne*
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 22. AUG. 1919

TUE. NOV. 25. 1919

TUE. 10 DEC. 1919

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