

MON. 11 AUG. 1920

Rpt. 5a.

# REPORT ON BOILERS.

No. 10642  
TUESDAY 27 AUG. 1920

Received at London Office

date of writing Report 21<sup>st</sup> July 1920 When handed in at Local Office 26<sup>th</sup> July 1920 Port of Southampton  
 No. in Survey held at Comes Isle of Wight Date, First Survey 3<sup>rd</sup> Feb. 1919 Last Survey 7<sup>th</sup> July 1920  
 Reg. Book. 29429 on the S.S. "VILLE DE BELFORT" (Number of Visits 7) Gross 1000 Tons Net 702  
 Master F. Guillon Built at Hakodate By whom built Hakodate Dock Co. When built 1917  
 Engines made at Hakodate By whom made Hakodate Dock Co. when made 1917  
 Boilers made at Comes By whom made Messrs. J.S. White & Co. Ltd. when made 1920  
 Registered Horse Power 88 Owners Graffignan Indus. de Charbon & Trans. Port belonging to Havre

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~—Manufacturers of Steel The Pat Talbot Steel Co.

(Letter for record S) Total Heating Surface of Boilers 1780 sq Is forced draft fitted NO No. and Description of Boilers One, single ended Working Pressure 180 lb. Tested by hydraulic pressure to 360 lb. Date of test 7-7-20  
 No. of Certificate 330 Can each boiler be worked separately ✓ Area of fire grate in each boiler 50 sq No. and Description of safety valves to each boiler ✓ Area of each valve ✓ Pressure to which they are adjusted ✓  
 Are they fitted with easing gear ✓ 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 14'-0" Length 10'-0"  
 Material of shell plates Steel Thickness 1 3/32" Range of tensile strength 28 to 32 Are the shell plates welded or flanged Flanged  
 Descrip. of riveting: cir. seams D.R. LAP. long. seams T.R. DOUBLE BUTTS. Diameter of rivet holes in long. seams 1 3/32" Pitch of rivets 8 3/4"  
 Lap of plates or width of butt straps 1'-6 1/2" Per centages of strength of longitudinal joint rivets 85.7% Working pressure of shell by plate 86%  
 rules 185.1 Size of manhole in shell 16" x 12" Size of compensating ring 2'-9" x 2'-5" No. and Description of Furnaces in each boiler 3 Dightons Material Steel Outside diameter 3'-7 1/4" Length of plain part ✓ Thickness of plates crown 9/16" bottom 9/16"  
 Description of longitudinal joint Welded No. of strengthening rings Corr. Working pressure of furnace by the rules 203.7 Combustion chamber plates: Material Steel Thickness: Sides 2 3/32" Back 1 1/16" Top 1 1/16" Bottom 2 3/32" Pitch of stays to ditto: Sides 8 3/4" x 8 3/8" Back 9 1/4" x 8 5/8" Top 8 3/4" x 8 7/8" If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 204.2 Material of stays Steel Diameter at smallest part 1.79 Area supported by each stay 79.78 Working pressure by rules 201.9 End plates in steam space: Material Steel Thickness 1 1/32" Pitch of stays 1'-11" x 1'-8" How are stays secured Double Nuts Working pressure by rules 184.1 Material of stays Steel AREA Diameter at smallest part 8.761  
 Area supported by each stay 460 Working pressure by rules 198 Material of Front plates at bottom Steel Thickness 1" Material of Lower back plate Steel Thickness 7/8" Greatest pitch of stays 13 1/2" x 8 5/8" Working pressure of plate by rules 206.2 Diameter of tubes 3" Pitch of tubes 4 3/16" x 4 3/16" Material of tube plates Steel Thickness: Front 1" Back 1 1/16" Mean pitch of stays 8 3/8" x 8 3/8" Pitch across wide water spaces 13 3/4" Working pressures by rules 189.5 Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 9 1/8" x 1 1/16" 2 off Length as per rule 2'-7 1/2" Distance apart 8 7/8" Number and pitch of Stays in each 2 off. 8 3/4"  
 Working pressure by rules 183.1 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 for J. Samuel White & Company Ltd., Manufacturer. Managing Director.

Dates of Survey while building: During progress of work in shops - - Feb. 3<sup>rd</sup> & 18<sup>th</sup> Mar. 23<sup>rd</sup> Apr. 9<sup>th</sup> May 6<sup>th</sup> June 21<sup>st</sup> July 7<sup>th</sup> Is the approved plan of boiler forwarded herewith yes  
 building: During erection on board vessel - - -  
 Total No. of visits 7

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
The Boiler has been built under special survey.  
The Materials and workmanship are sound and good.

Survey Fee ... £ 17 : 17 : When applied for. 21/7/1920  
 Travelling Expenses (if any) £ 11 : When received. 24/7/1920

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

Committee's Minute FRI. 1 MAY 1925  
 Assigned Not for Committee

FRI. 25 SEP 1925  
 FRI. 16 OCT 1925  
 Lloyd's Register Foundation

REPORT ON BOLIVIA

RETAIN

RETAIN



© 2020

Lloyd's Register  
Foundation