

REPORT ON BOILERS.

No. 66263

Received at London Office,

WED. JUN. 17. 1914

Report ^{1st} April 1914 When handed in at Local Office JUN 16 1914 Port of Newcastle on Tyne
 Survey held at Newcastle Date, First Survey 3rd Feb. 1914 Last Survey 10th Jun 1914
 (Number of Visits) Gross 2928
 Net 1864
 On the Steel screw steamer "Yaguigalpa"
 Built at Aberdeen By whom built Hall Russell & Co. L^{td} When built 1894-10
 Made at Aberdeen By whom made Hall Russell & Co. L^{td} When made 1894
 Made at Newcastle By whom made Swan Hunter & Wigham Richardson L^{td} When made 1914
 Horse Power Owners Baccaro Bros. Port belonging to

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spence & Sons & D. Colville & Sons.

Record Total Heating Surface of Boilers 6410 sq ft Is forced draft fitted to No. and Description of
 Certificate 8630 Working Pressure 186 lbs Tested by hydraulic pressure to 340 lbs Date of test 8.3.14
 Can each boiler be worked separately Area of fire grate in each boiler 8 1/2 sq ft No. and Description of
 Valves to each boiler Two spring loaded Area of each valve 8.29 sq in Pressure to which they are adjusted 190 lbs
 Fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Distance between boilers or uptakes and bunkers or woodwork 4'-6" Mean dia. of boilers 14'-3 3/16" Length 11'-6"
 Shell plates Steel Thickness 1 3/32" Range of tensile strength 29 3/4 / 33 Are the shell plates welded or flanged
 Riveting: cir. seams d r lap long. seams 2. A. d. b. s Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 2 1/2"
 Width of butt straps 2'-9 3/8" Per centages of strength of longitudinal joint rivets 94.8 Working pressure of shell by
 plate 92.8
 Size of manhole in shell 16" x 12" Size of compensating ring 1/2" dia doubling 1 1/2" No. and Description of Furnaces in each
 Material Steel Outside diameter 44 7/8" Length of plain part top Thickness of plates crown 1 1/32"
 bottom
 of longitudinal joint Weld No. of strengthening rings Working pressure of furnace by the rules 197 lbs Combustion chamber
 Material Steel Thickness: Sides 3/8" & 1/2" Back 1/2" Top 3/8" & 1/2" Bottom 2 1/32" Pitch of stays to ditto: Sides 8 3/4" x 8" Back 9" x 9 1/4"
 If stays are fitted with nuts or riveted heads Working pressure by rules 192 lbs Material of stays Steel Diameter at
 top 2.03" Area supported by each stay 83.25 sq in Working pressure by rules 197 lbs End plates in steam space: Material Steel Thickness 1 1/32"
 stays 2 1/2" x 1 1/2" How are stays secured Working pressure by rules 191 lbs Material of stays Steel Diameter at smallest part 4.84"
 supported by each stay 3 1/2" Working pressure by rules 216 lbs Material of Front plates at bottom Steel Thickness 3/32" Material of
 plate Steel Thickness 1" Greatest pitch of stays 14 1/4" x 9 1/4" Working pressure of plate by rules 240 lbs Diameter of tubes 3 1/4"
 tubes 4 1/2" x 4 3/8" Material of tube plates Steel Thickness: Front 3 1/32" & 1 1/32" Back 1 3/16" Mean pitch of stays 13 1/2" x 8 1/4" Pitch across wide
 plates 14 1/4" Working pressures by rules 189 lbs Girders to Chamber tops: Material Steel Depth and thickness of
 centre 11 1/8" x 1 1/4" Length as per rule 35 1/2" Distance apart 9" Number and pitch of Stays in each 3'-8"
 pressure by rules 188 lbs Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

G. F. Tweedy Manufacturer.

During progress of work in shops - - - 1914 Feb 3. 9. 16. 18. 20. 23. 25. 27. Mar. 6. 15. Is the approved plan of boiler forwarded herewith
 During erection on board vessel - - - See Machinery Report Total No. of visits 10+

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

Boilers have been built under special survey, the material & workmanship are
 they have been efficiently mounted & fitted on board and their safety valves
 tested under steam. In my opinion the vessel is eligible to have the
 position of NB - 14 made in the Register Book.

Fee ... £ 13 - 0 - 6 } When applied for, JUN 16 1914
 Printing Expenses (if any) £ : : } When received, 11/7/14

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

TUE. JUN. 23 1914 FRI. SER 25. 1914

Boiler's Minute

