

# S/s Monte Pacific in "New Glory"

## REPORT ON BOILERS.

No. 38228

Received at London Office WED. 16 OCT. 1918

Date of writing Report \_\_\_\_\_ 1918 When handed in at Local Office \_\_\_\_\_ 1918 Port of Glasgow  
 No. in Survey held at \_\_\_\_\_ Date, First Survey 5/4/18 Last Survey 12/9/18 1918  
 Reg. Book. \_\_\_\_\_ (Number of Visits 19) Gross \_\_\_\_\_  
 on the Naval store officer, A. Y. S. 721, Shepstone, Mon. Tons } Net \_\_\_\_\_  
 Master \_\_\_\_\_ Built at Chapelton By whom built Monmouth S B Co When built 1920  
 Engines made at Newcastle By whom made Parsons Marine Steam Turbine Co When made 1918  
 Boilers made at Rugby By whom made Babcock & Wilcox Ltd. M 395 When made 1918  
 Registered Horse Power \_\_\_\_\_ Owners Soc. Nav. Amatori Runita Port belonging to London

**MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.**—Manufacturers of Steel Woolley, Steel Co of Scotland  
 (Letter for record S) Total Heating Surface of Boilers 9636 sq ft Is forced draft fitted Yes No. and Description of See above  
 Boilers 3 Babcock & Wilcox's Marine Working Pressure 200 Tested by hydraulic pressure to Maximum 400 lbs Date of test \_\_\_\_\_  
 No. of Certificate \_\_\_\_\_ Can each boiler be worked separately \_\_\_\_\_ Area of fire grate in each boiler 85 3/4 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 \_\_\_\_\_ Interual Steam Drums Mean dia. of boilers 4-0 Length 15-11/4  
 Material of shell plates S Thickness 9/16 to 1/2 Range of tensile strength 28/32 Are the shell plates welded or flanged \_\_\_\_\_  
 Description of riveting: cir. seams OR long seams TR. Suph. Butt S Diameter of rivet holes in long. seams 29/32 Pitch of rivets 3.539  
 Width of plates or width of butt straps 4 1/4 Per centages of strength of longitudinal joint \_\_\_\_\_ Working pressure of shell by \_\_\_\_\_  
 Size of manhole in shell 15 x 11 Size of compensating ring 7/8 x 4 3/8 No. and Description of Furnaces in each \_\_\_\_\_  
 Material \_\_\_\_\_ Outside diameter \_\_\_\_\_ Length of plain part \_\_\_\_\_ Thickness of plates \_\_\_\_\_  
 Description of longitudinal joint \_\_\_\_\_ No. of strengthening rings \_\_\_\_\_ Working pressure of furnace by the rules \_\_\_\_\_ Combustion chamber \_\_\_\_\_  
 Material \_\_\_\_\_ Thickness: Sides \_\_\_\_\_ Back \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_ Pitch of stays to ditto: Sides \_\_\_\_\_ Back \_\_\_\_\_  
 If stays are fitted with nuts or riveted heads \_\_\_\_\_ Working pressure by rules \_\_\_\_\_ Material of stays \_\_\_\_\_ Diameter at \_\_\_\_\_  
 Smallest part \_\_\_\_\_ Area supported by each stay \_\_\_\_\_ Working pressure by rules \_\_\_\_\_ End plates in steam space: Material S Thickness 13/16  
 How are stays secured Radius Working pressure by rules 240 Material of stays \_\_\_\_\_ Diameter at smallest part \_\_\_\_\_  
 Area supported by each stay \_\_\_\_\_ Working pressure by rules \_\_\_\_\_ Material of Front plates at bottom \_\_\_\_\_ Thickness \_\_\_\_\_ Material of \_\_\_\_\_  
 Header \_\_\_\_\_ Thickness 17/32 Greatest pitch of stays \_\_\_\_\_ Working pressure of plate by rules \_\_\_\_\_ Diameter of tubes 13 3/16  
 Pitch of tubes 2 3/4 to 2 5/8 Material of tube plates S Thickness: Front 1/2 Back \_\_\_\_\_ Mean pitch of stays \_\_\_\_\_ Pitch across wide \_\_\_\_\_  
 Working pressures by rules \_\_\_\_\_ Girders to Chamber tops: Material \_\_\_\_\_ Depth and thickness of \_\_\_\_\_  
 Length as per rule \_\_\_\_\_ Distance apart \_\_\_\_\_ Number and pitch of Stays in each \_\_\_\_\_  
 Superheater or Steam chest: how connected to boiler \_\_\_\_\_ Can the superheater be shut off and the boiler worked \_\_\_\_\_  
 Diameter \_\_\_\_\_ Length \_\_\_\_\_ Thickness of shell plates 3/4 Material S Description of longitudinal joint weld Diam. of rivet \_\_\_\_\_  
 Pitch of rivets \_\_\_\_\_ Working pressure of shell by rules \_\_\_\_\_ Diameter of flue \_\_\_\_\_ Material of flue plates \_\_\_\_\_ Thickness \_\_\_\_\_  
 Distance between rings \_\_\_\_\_ Working pressure by rules \_\_\_\_\_ End plates: Thickness \_\_\_\_\_ How stayed \_\_\_\_\_  
 Area of safety valves to superheater \_\_\_\_\_ Are they fitted with easing gear \_\_\_\_\_

Survey request form \_\_\_\_\_ The foregoing is a correct description, \_\_\_\_\_  
2167 attached \_\_\_\_\_ Babcock & Wilcox Limited Manufacturer.  
 Dates During progress of 1918 Apr 5-10-12-15-29 May 6-15-17-22-30 June 3-10-12-20 Is the approved plan of boiler forwarded herewith Already forwarded  
 Survey work in shops - - - \_\_\_\_\_ Total No. of visits 19  
 During erection on \_\_\_\_\_  
 while board vessel - - - 24 July 5 Aug 2-26 Sept 12

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) The boilers have been built under special survey in accordance with the approved plans. The workmanship & materials are of good quality. The Steam drums, sections of tubes & headers listed to 400 lbs sq in & the mud drums to 400 lbs sq in. The Boilers have been forwarded to Shepstone & will be again tested when erected on board the vessel.

Survey Fee ... £ 36-7-0 When applied for, 25/7/18 1918  
 Travelling Expenses (if any) £ \_\_\_\_\_ When received, 16/10/18 1918  
Now fitted on board S/s Monte Pacific  
See Newport Report No 19836  
Ed. O. Hercules  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 15 OCT 1918 FRI. MAY. 14 1920  
 Assigned \_\_\_\_\_  
 TRANSMIT TO LONDON \_\_\_\_\_  
 Lloyd's Register Foundation