

REPORT ON BOILERS.

No. 15621

Report 14th Aug 1923 When handed in at Local Office 191 Port of HAMBURG SAT. SEP. 11 1923
Survey held at HAMBURG Date, First Survey 10th April Last Survey 7th July 1923.
The Ship Trin. Co. Ltd., Ruy Barbosa & Co., Cascoas: (Number of Visits 3) Gross 9791
Built at Vegesack By whom built Bremer Vulkan Tons Net 6172
When built 1913.
at Vegesack By whom made Bremer Vulkan When made 1913.
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Power Owners Brazilian Gov. (Operated by Lloyd Brasileiro) Port belonging to Rio Janeiro.

BULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel
Total Heating Surface of Boilers 1060 sqm. Is forced draft fitted yes No. and Description of
Working Pressure 200 lbs Tested by hydraulic pressure to 63.5# Date of test
Can each boiler be worked separately yes Area of fire grate in each boiler 5.9 sqm No. and Description of
each boiler 2, spring loaded Area of each valve 7854 sqm Pressure to which they are adjusted 200 lbs.
with casing gear yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
between boilers or uptakes and bunkers on woodwork 950 mm. Mean dia. of boilers 4771 mm Length 3690 mm.
all plates steel Thickness 35.5 mm Range of tensile strength 53 kg sqm Are the shell plates welded or flanged yes
eting: cir. seams ✓ long. seams quadruple Diameter of rivet holes in long. seams 38 mm Pitch of rivets 456 mm
width of butt straps 760 mm Per centages of strength of longitudinal joint rivets 71.6% Working pressure of shell by
Size of manhole in back plate 350 x 400 mm Size of compensating ring none plate 91.6%
No. and Description of Furnaces in each
Material steel Outside diameter 1250 mm Length of plain part top 235 mm Thickness of plates crown 15.5 mm
longitudinal joint welded No. of strengthening rings 11 Working pressure of furnace by the rules 198 lbs Combustion chamber
al steel Thickness: Sides 17.5 mm Back 16.5 mm Top 17.5 mm Bottom 22 mm Pitch of stays to ditto: Sides 195 x 200 Back 180 x 195
stays are fitted with nuts or riveted heads nuts Working pressure by rules 250 lbs Material of stays steel Diameter at
4 mm Area supported by each stay 36700 sq mm Working pressure by rules 223 lbs End plates in steam space: Material steel Thickness 26.5 mm
How are stays secured double nuts Working pressure by rules 206 lbs Material of stays steel Diameter at smallest part 67 mm
by each stay 74400 sq mm Working pressure by rules 206 lbs Material of Front plates at bottom steel Thickness 27 mm Material of
te steel Thickness 27 mm Greatest pitch of stays 650 mm Working pressure of plate by rules 292 lbs Diameter of tubes 76 mm
107 mm Material of tube plates steel Thickness: Front 27 mm Back 23 mm Mean pitch of stays 214 mm Pitch across wide
55 mm Working pressures by rules 206 lbs. Girders to Chamber tops: Material steel Depth and thickness of
230 x 19 mm Length as per rule 850 mm Distance apart 200 mm Number and pitch of Stays in each 3, 200 mm
re by rules 220 lbs Superheater on Schmidt's type. 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
th of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
rings Distance between rings Working pressure by rules End plates: Thickness How stayed
re of end plates Area of safety valves to superheater 962 sq mm Are they fitted with easing gear yes.
The foregoing is a correct description,
Manufacturer.

REMARKS (State quality of workmanship, opinions as to class, &c.)
Boilers have been examined throughout and were found in satisfactory condition; the scantlings are as shown on the submitted and accepted plan.

When applied for, 191
When received, 191
Friedrich Hill
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Minute
TUE. 11 MAR. 1924
See Ham. Rpt. 15825
Lloyd's Register Foundation
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