

REPORT ON BOILERS.

No. 2342

Received at London Office

MUN. 31 JAN. 1910

Date of writing Report 27.1.1910 When handed in at Local Office 27.1.1910 Port of Trieste
 No. in Survey held at Trieste Date, First Survey 9.9.09 Last Survey 17.1.1910
 of Reg. Book. Donkey Boiler S.S. "Gastein" Lloyd Austriaco N° 119 Tons Gross 2819
on the N. Chersich Built at Trieste By whom built Lloyd Austriaco When built 1910-1
 Engines made at Trieste By whom made Lloyd Austriaco when made 1910-1
 Boilers made at Trieste By whom made Lloyd Austriaco when made 1910-1
 Registered Horse Power 390 Owners Lloyd Austriaco Port belonging to Trieste

MULTITUBULAR BOILERS ~~MACH.~~ ~~AUXILIARY~~ OR **DONKEY.**—Manufacturers of Steel The Steel Co. of Scotland

Letter for record R Total Heating Surface of Boilers 788 Is forced draft fitted No No. and Description of
 Boilers One single ended Muller Working Pressure 180 lbs Tested by hydraulic pressure to 360 Date of test 9.12.09
 No. of Certificate 110 Can each boiler be worked separately Yes Area of fire grate in each boiler 30 No. and Description of
 Safety valves to each boiler 2 Spring loaded Area of each valve 4.9 Pressure to which they are adjusted 185 lbs
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No
 Smallest distance between boilers or uptakes and bunkers or woodwork 20" Mean dia. of boilers 10'3" Length 9'0"
 Material of shell plates Steel Thickness 15/16" Range of tensile strength 28 to 32 Are the shell plates welded or flanged flanged
 Description of riveting: cir. seams doub. riv long. seams triple riv Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 7/8"
 Width of butt straps 1 1/2" Per centages of strength of longitudinal joint rivets 95.4 Working pressure of shell by
 rules 188 lbs Size of manhole in shell 12 "X16" Size of compensating ring Mc Neil No. and Description of Furnaces in each
 boiler 2 Deightons Material Steel Outside diameter 3'2 1/2" Length of plain part 3' Thickness of plates crown 15"
 Description of longitudinal joint welded No. of strengthening rings — Working pressure of furnace by the rules 182 Combustion chamber
 Material Steel Thickness: Sides 7/8" Back 7/8" Top 5/8" Bottom 7/8" Pitch of stays to ditto: Sides 8"X8" Back 8"X8 1/2"
 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 212 Material of stays Special Iron Diameter at
 smallest part 1 3/16" Area supported by each stay 66 Working pressure by rules 190 End plates in steam space: Material Steel Thickness 2 1/32"
 Pitch of stays 14"X14" How are stays secured dbl. nuts Working pressure by rules 186 Material of stays Steel Diameter at smallest part 2 1/16"
 Area supported by each stay 196 Working pressure by rules 187 Material of Front plates at bottom Steel Thickness 2 1/32" Material of
 lower back plate Steel Thickness 2 1/32" Greatest pitch of stays 13" Working pressure of plate by rules 188 Diameter of tubes 3 1/4"
 Pitch of tubes 4 1/2"X4 1/8" Material of tube plates Steel Thickness: Front 2 1/32" Back 3/4" Mean pitch of stays 9"X8 1/2" Pitch across wide
 water spaces 14 1/4" Working pressures by rules 190 lbs Girders to Chamber tops: Material Steel Depth and thickness of
 girder at centre 2: 6 1/2"X3 1/4" Length as per rule 26" Distance apart 7" Number and pitch of Stays in each two of 8"
 Working pressure by rules 191 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
 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,

[Signature] Manufacturer.

Dates of Survey: During progress of work in shops May 18, 20, 24, 31, June 8, 19, 24, July 13, 20, 23 Is the approved plan of boiler forwarded herewith Yes
 while building: During erection on board vessel Sep. 9 Oct 27 Nov 8 Dec 9, 23 Jan 10, 24 Total No. of visits 16

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This Donkey boiler has been
constructed under Special Survey in accordance with the rules and approved
plan, the material and workmanship throughout are of a good description
This boiler was tested by Hydraulic pressure to 360 lbs and found tight
and no sign of weakness

Survey Fee ... £ Charged in Machinery Report When applied for, 19
 Travelling Expenses (if any) — When received, 19

[Signature] Charles R. Hughes
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUES. 1 FEB 1910

Assigned

FRI. 27 MAY 1910



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