

REPORT ON BOILERS.

No. 5783.

Received at London Office

WED. OCT. 4 1921

Date of writing Report 25. 5. 21 When handed in at Local Office 27. 5. 21 Port of GENOA
 No. in Survey held at GENOA & Venice Date, First Survey 22. 2. 21 Last Survey 24. 5. 1921.
 Reg. Book. 23406 on the Steel Sc. Mazzini (Number of Visits 8) Gross 5600
 Master By whom built Acquasanti e Cantieri When built 1921
 Engines made at Sampierdarena By whom made Cio. Ansaldo & C. When made 1921
 Boilers made at do. By whom made do. When made 1921.
 Registered Horse Power Owners Soc. Veneziana di Nav. a Vap. Port belonging to Venice

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel

(Letter for record 5) Total Heating Surface of Boilers 1522.5 Is forced draft fitted No. No. and Description of
 Boilers One horizontal Multitubular Working Pressure 180 Tested by hydraulic pressure to 360 lbs. Date of test 23. 5. 21
 No. of Certificate 144 Can each boiler be worked separately ✓ Area of fire grate in each boiler 34.45 No. and Description of
 safety valves to each boiler 2 improved direct spring Area of each valve 5.58 Pressure to which they are adjusted 180 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 7" at 11" Mean dia. of boilers 140.94" Length 126.5
 Material of shell plates steel Thickness 16 Range of tensile strength 28-32 Are the shell plates welded or flanged do
 Descrip. of riveting: cir. seams double long. seams 5 rivets per pitch Diameter of rivet holes in long. seams 1.06" Pitch of rivets 4.08 + 3.54
 Lap of plates on width of butt straps 15.74" Per centages of strength of longitudinal joint 95.2 Working pressure of shell by
 rules 182.5 Size of manhole in shell 15.34" x 12" Size of compensating ring 4.84" x .86" No. and Description of Furnaces in each
 boiler 2 Suspension Material steel Outside diameter 43.3" Length of plain part top Thickness of plates crown 8.95"
 Description of longitudinal joint welded No. of strengthening rings 10.75" Working pressure of furnace by the rules 196 Combustion chamber
 plates: Material steel Thickness: Sides 16 Back 10.75" Top 10.75" Bottom 13.75" Pitch of stays to ditto: Sides 4.84" x 8.84" Back 7.84" x 7.84"
 Top margin stays + top riveted Working pressure by rules 184 Material of stays steel Diameter at
 smallest part 2.45" Area supported by each stay 62 Working pressure by rules 196 End plates in steam space: Material steel Thickness 13.75"
 Pitch of stays 15.74" x 14.57" How are stays secured 220 lbs. Working pressure by rules 183.25 Material of stays steel Diameter at smallest part 4.50"
 Area supported by each stay 226 Working pressure by rules 180 Material of Front plates at bottom steel Thickness 13.75" Material of
 Lower back plate steel Thickness 13.75" Greatest pitch of stays 14.0" x 7.84" Working pressure of plate by rules 183.5 Diameter of tubes 3"
 Pitch of tubes 4.09" Material of tube plates steel Thickness: Front 13.75" Back 13.5" Mean pitch of stays 8.18" Pitch across wide
 water spaces 14.17" x 8.18" Working pressures by rules 213 Girders to Chamber tops: Material steel Depth and thickness of
 girder at centre 7.08" x 1.4" Length as per rule 24.01 Distance apart 7.84" Number and pitch of Stays in each 2-7.84"
 Working pressure by rules 244.6 Superheater or Steam chest; how connected to boiler none 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 —

VERTICAL DONKEY BOILER—No. Description Manufacturers of steel

Made at By whom made When made Where fixed Working pressure
 tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
 No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can
 enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile
 strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
 Lap of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates
 Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
 Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown
 plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
 Thickness of water tubes The foregoing is a correct description,
 Manufacturer.

Dates of Survey while building
 During progress of work in shops --
 During erection on board vessel --
 Total No. of visits

Sep 20

Is the approved plan of main boiler forwarded herewith

S. A. I. GIO. ANSALDO & C.
 STABILIMENTO MECCANICO
 SAMPIERDARENA

Lloyd's Register
 Foundation

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

The materials and workmanship are good. This boiler has been built under special survey in accordance with the Rules and approved plans. It is being sent to Venice for installation.

Boiler installed on board the "P.P. Manin". Boiler fastenings and seatings examined and found in accordance with the Rules. Safety valves tested under steam and by accumulation. Boiler seatings found bolted but arrangements have been made with the builders to have same riveted on the vessel's return.

W. J.

Certificate (if required) to be sent to
(The Surveys are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee .. £

Special £

Donkey Boiler Fee £

Travelling Expenses (if any) £

Committee's Minute

Assigned

SEE
MACHY

REPORT
800

303

TUE. NOV. 15 1921

As now
Subject

When applied for,

Sep 30 1921

When received,

7-11-1921

W. J. Manin

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

TUE. 10 MAY. 1922



© 2021

Lloyd's Register
Foundation