

REPORT ON BOILERS.

No. 6690

Received at London Office 11 JUL 1925

Reporting Report 7.7 1925 When handed in at Local Office 8/7/1925 Port of Trieste
 Size of Survey held at Trieste Date, First Survey May 8 Last Survey June 27 1925
 on the S/S. IZBADA (Number of Visits four) Gross 3525.66 Tons Net 2209.46
 Built at Switzerland By whom built W. Daxford & S. Yard No. - When built 1910
 made at Switzerland By whom made W. Daxford & S. Engine No. - When made 1910
 made at Switzerland By whom made W. Daxford & S. Boiler No. - When made 1910
 Horse Power 300. Owners Amerigasska Por. 110 Rack Port belonging to Dubrovnik.

TUBULAR BOILERS ~~MAIN~~ ~~AUXILIARY~~ OR DONKEY.

(Letter for Record S.)
 Heating Surface of Boilers 979 Is forced draught fitted No Coal or Oil fired Coal
 Description of Boilers One cylindrical Working Pressure 100 lbs.
 hydraulic pressure to 150 lbs. Date of test - No. of Certificate - Can each boiler be worked separately -
 Firegrate in each Boiler 26.6 No. and Description of safety valves to each boiler 2 spring loaded
 each set of valves per boiler {per Rule 8.7 as fitted 12.5 Pressure to which they are adjusted - Are they fitted with easing gear yes.
 of donkey boilers, state whether steam from main boilers can enter the donkey boiler -
 distance between boilers or uptakes and bunkers or woodwork - Is oil fuel carried in the double bottom under boilers -
 distance between shell of boiler and tank top plating 14" Is the bottom of the boiler insulated No
 internal dia. of boilers 10'-0" Length 10'-0" Shell plates: Material Steel Tensile strength 28-37
 Are the shell plates welded or flanged - Description of riveting: circ. seams {end Single inter. 3 3/8
 Diameter of rivet holes in {circ. seams 1 1/16 long. seams 7/8 Pitch of rivets {3 3/8 3 1/8
 Percentage of strength of circ. end seams {plate 72.5% rivets 78.0% combined - Working pressure of shell by Rules 99 lbs.
 No. and Description of Furnaces in each Boiler Two plain furnaces.
 Tensile strength - Smallest outside diameter 2'-9 3/4"
 Thickness of plates {crown 17/32 bottom 17/32 Description of longitudinal joint Welded
 Working pressure of furnace by Rules -
 Tensile strength 26-30 Thickness 17/32-45 Pitch of stays 11" x 10"
 Working pressure by Rules 100 lbs.
 Tensile strength 26-30 Thickness 17/32-45
 Working pressure {front 104 lbs. back 94 lbs.
 Tensile strength 28-37 Depth and thickness of girder
 Length as per Rule 25' 15" Distance apart 10' No. and pitch of stays
 Working pressure by Rules 103 lbs. Combustion chamber plates: Material Steel
 Tensile strength 26-30 Thickness: Sides 17/32 Back 17/32 Top 33/64 Bottom 17/32
 Are stays fitted with nuts or riveted over Nuts.
 Front plate at bottom: Material Steel Tensile strength -
 Lower back plate: Material Steel Tensile strength 26-30 Thickness 17/32
 Are stays fitted with nuts or riveted over Nuts.
 Main stays: Material Steel Tensile strength -
 No. of threads per inch 9 Area supported by each stay 225 D
 Screw stays: Material Steel Tensile strength -
 No. of threads per inch 10 Area supported by each stay 90 D

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Working pressure by Rules 190 lbs. Are the stays drilled at the outer ends ✓ Margin stays: Diameter { At turned off part, 1 1/2" or Over threads 1 1/2"
No. of threads per inch 9 Area supported by each stay 90 sq" Working pressure by Rules 173 lbs.
Tubes: Material Steel External diameter { Plain 3 1/2" Thickness 10.459" No. of threads per inch 10
Pitch of tubes 4 1/4" x 4 Working pressure by Rules 108 lbs. Manhole compensation: Size of 7/8"
shell plate 16" x 12" Section of compensating ring 32" x 28" No. of rivets and diameter of rivet holes 2 Row 7/8"
Outer row rivet pitch at ends --- Depth of flange if manhole flanged --- Steam Dome: Material ---
Tensile strength --- Thickness of shell --- Description of longitudinal joint ---
Diameter of rivet holes --- Pitch of rivets --- Percentage of strength of joint { Plate --- Rivets ---
Internal diameter --- Working pressure by Rules --- Thickness of crown --- No. and diameters of stays --- Inner radius of crown --- Working pressure by Rules ---
How connected to shell --- Size of doubling plate under dome --- Diameter of rivet holes ---
of rivets in outer row in dome connection to shell ---

Type of Superheater --- Manufacturers of { Tubes --- Steel castings ---
Number of elements --- Material of tubes --- Internal diameter and thickness of tubes ---
Material of headers --- Tensile strength --- Thickness --- Can the superheater be shut the boiler be worked separately --- Is a safety valve fitted to every part of the superheater which can be shut off from the boiler ---
Area of each safety valve --- Are the safety valves fitted with easing gear --- Working pressure ---
Rules --- Pressure to which the safety valves are adjusted --- Hydraulic test ---
tubes ---, castings --- and after assembly in place --- Are drain cocks or valves to free the superheater from water where necessary ---

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with ---

The foregoing is a correct description, ---

Dates of Survey { During progress of work in shops --- Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)
while building { During erection on board vessel --- Total No. of visits ---

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

The quality of the workmanship and material is good. The boiler scantling compared with the approved plans and found correct. The steel plate at bottom and the bottom longitudinal stay is some corroded, arrange for the working pressure to be reduced to 75 lbs.

Survey Fee ---

Travelling Expenses (if any) ---

When applied for, ---

When received, ---

Committee's Minute ---

Assigned ---



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