

REPORT ON BOILERS.

No. 13043

Received at London Office.

29 MAR 1947

Date of writing Report 19... When handed in at Local Office 20.3.47 Port of Trieste

No. in Reg. Book. Survey held at Monfalcone Date, First Survey 27.2.46 Last Survey 22.2.47

on the M/s Antonio Zotti (Number of Visits 9) Tons { Gross 6200 Net 3621

Master Built at Monfalcone By whom built Cant. Riv. dell'Adri. Yard No. 1329 When built

Engines made at Trieste By whom made CRDA Fabbrica Macchine Engine No. 5413 When made 1947

Boilers made at Trieste By whom made CRDA Fabbrica Macchine Boiler No. 1885 When made

Nominal Horse Power Owners "Italia" Società An. di Navigazione Port belonging to Genoa

MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Witkovic M. S. I. C. Acc. e Ferr. Lomb. Falk (Letter for Record 5 ✓)

Total Heating Surface of Boilers 225 m² ✓ Is forced draught fitted yes ✓ Coal or Oil fired oil ✓

No. and Description of Boilers One Cylindrical Marine multitubular Working Pressure 13 kg/cm²

Tested by hydraulic pressure to 21.5 kg/cm² Date of test 29.3.46 No. of Certificate — Can each boiler be worked separately —

Area of Firegrate in each Boiler oil fired No. and Description of safety valves to each boiler 2 impr. spring load. ✓

Area of each set of valves per boiler { per Rule 9.787 m² as fitted 10820 m² ✓ Pressure to which they are adjusted 18.5 lbs ✓ Are they fitted with easing gear yes ✓

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 — Is oil fuel carried in the double bottom under boilers —

Smallest distance between shell of boiler and ^{Deck} plating 2'-3" Is the bottom of the boiler insulated yes ✓

Largest internal dia. of boilers 4250 mm Length 3488 mm Shell plates: Material SMS Tensile strength 44-55 kg/cm² ✓

Thickness 30.5 ✓ Are the shell plates welded or flanged no ✓ Description of riveting: circ. seams { end D.R.L. ✓ inter. — ✓

long. seams D.B.S. Tr. ✓ Diameter of rivet holes in { circ. seams 35 mm ✓ long. seams 33 mm ✓ Pitch of rivets { 106.7 mm ✓ 213 mm ✓

Percentage of strength of circ. end seams { plate 85 rivets 101 ✓ Percentage of strength of circ. intermediate seam { plate — rivets — ✓

Percentage of strength of longitudinal joint { plate 85 rivets 101 ✓ Working pressure of shell by Rules 13.25 kg/cm² ✓

Thickness of butt straps { outer 24 mm ✓ inner 27 mm ✓ No. and Description of Furnaces in each Boiler 3 Marison ✓

Material SMS Tensile strength 41 kg/cm² ✓ Smallest outside diameter 1028 mm ✓

Length of plain part { top — bottom — Thickness of plates { crown 14 mm ✓ bottom — ✓ Description of longitudinal joint welded ✓

Dimensions of stiffening rings on furnace or c.c. bottom none Working pressure of furnace by Rules 13.86 kg/cm² ✓

End plates in steam space: Material SMS Tensile strength 41-47 kg/cm² ✓ Thickness 28 mm ✓ Pitch of stays 450 x 410 mm ✓

How are stays secured Double nuts ✓ Working pressure by Rules 15.78 kg/cm² ✓

Tube plates: Material { front 23 mm SMS ✓ back 18 " SMS ✓ Tensile strength 41-47 kg/cm² ✓ Thickness { 23 mm ✓ 18 " ✓

Mean pitch of stay tubes in nests 206 x 206 Pitch across wide water spaces 368 mm ✓ Working pressure { front 15.75 mm ✓ back 13.40 " ✓

Girders to combustion chamber tops: Material SMS Tensile strength 41-47 kg/cm² ✓ Depth and thickness of girder at centre 250 mm ✓ 2x16 Length as per Rule 810 mm ✓ Distance apart 235 mm ✓ No. and pitch of stays in each 3 @ 190 mm ✓ Working pressure by Rules 14.09 kg/cm² ✓ Combustion chamber plates: Material SMS

Tensile strength 41-47 kg/cm² ✓ Thickness: Sides 19 mm ✓ Back 19 mm ✓ Top 19 mm ✓ Bottom 22 mm ✓

Pitch of stays to ditto: Sides 215 x 190 mm Back 208 x 203 mm Top 235 x 190 mm Are stays fitted with nuts or riveted over part riv. Part Nuts.

Working pressure by Rules 14.15 kg/cm² ✓ Front plate at bottom: Material SMS Tensile strength 41-47 kg/cm² ✓

Thickness 23 mm ✓ Lower back plate: Material SMS Tensile strength 41-47 kg/cm² ✓ Thickness 25 mm ✓

Pitch of stays at wide water space 376 x 208 mm ✓ Are stays fitted with nuts or riveted over Nuts at margin stays ✓

Working pressure 19.6 kg/cm² ✓ Main stays: Material SMS Tensile strength 41-47 kg/cm² ✓

Diameter { At body of stay 76 mm ✓ or Over threads 76 mm ✓ No. of threads per inch 6 ✓ Area supported by each stay 450 x 410 mm ✓

Working pressure by Rules 14.35 kg/cm² ✓ Screw stays: Material SMS Tensile strength 41-47 kg/cm² ✓

Diameter { At turned off part — or Over threads 38 mm ✓ No. of threads per inch 9 ✓ Area supported by each stay 203 x 208 mm ✓

The foregoing is a correct description,
 of the above boiler, and superheater here
 state date of approval.

Is this Boiler a duplicate of a previous case.....no.....If so, state Vessel's name and Report No.....

Survey Fee	£	:	:	:	}	When applied for, 24/10/2419.....
Travelling Expenses (if any)	£	:	:	:	:			When received19.....

Assigned See F.E. Mchly. apt.

Engineer Surveyor to Lloyd's Register of Shipping.