

REPORT ON BOILERS.

No. 15293

Received at London Office

29 NOV 1951

Date of writing Report 3rd May 1951. When handed in at Local Office 10th May 1951. Port of Belfast.
Please see Rpt 4b.
No. in Reg. Book. Belfast Date, First Survey Belfast Last Survey 19
on the Twin Sc. M.V. "Juan Peron" (Number of Visits 1)
Gross Tons 1384 Net 1384
Built at Belfast By whom built Harland & Wolff Ltd. Yard No. 1384 When built 10/51
Engines made at Belfast By whom made Harland & Wolff Ltd. Engine No. 1384 When made 10/51
Boilers made at Belfast By whom made Harland & Wolff Ltd. Boiler No. 1384 When made 10/51
Owners COMPANIA ARGENTINA de PESCA S.A. Port belonging to BUENOS AIRES

VERTICAL BOILERS (Press)
Made at Belfast By whom made Harland & Wolff Ltd. Boiler No. 1950 When made 1950 Where fixed 1950
Manufacturers of Steel Covilles
Total Heating Surface of Boiler ✓ Is forced draught fitted ✓ Coal or Oil fired ✓
No. and Description of Boilers Four Press boilers Working Pressure 70 lb sq. in.
Tested by hydraulic pressure to 140 lb sq. in. Date of test 24. 7. 50.
25. 7. 50. Nos of Certificate 1469. 1470.
1471. 1472.
Area of fire grate in each Boiler ✓ No. and description of safety valves to each boiler Reducing Valves & Safety Valves on main line.
Area of each set of valves per boiler per Rule ✓ Pressure to which they are adjusted 60 lb sq. in. Are they fitted with easing gear ✓
state whether steam from main boilers can enter the donkey boiler ✓ Smallest distance between boiler or uptake and bunkers ✓
woodwork ✓ Is oil fuel carried in the double bottom under boiler ✓ Smallest distance between base of boiler and tank top plating ✓
Is the base of the boiler insulated ✓ Largest internal dia. of boiler 9' - 10 7/8" Height 13' - 9"
Shell plates: Material Steel Tensile strength 29 - 33 tons sq. in. Thickness 9/16"
Are the shell plates welded or flanged No ✓ If fusion welded, state name of welding firm Harland & Wolff Ltd.
Have all the requirements of the Rules for Class 2 vessels been complied with Yes ✓ Description of riveting: circ. seams end ✓
inter ✓
Long. seams Fusion Welded (Elec) Dia. of rivet holes in circ. seams ✓ Pitch of rivets ✓ Percentage of strength of circ. seams plate ✓
long. seams ✓ rivets ✓
Longitudinal joint plate ✓ Thickness of butt straps outer ✓ Shell Crown: Whether complete hemisphere, dished partial ✓
combined ✓ inner ✓
Spherical, or flat Dished, Partial Spherical Material Steel Tensile strength 26 - 30 tons sq. in. Thickness top 15/16" bot 13/16"
Diam. 9' - 10" ✓ Description of Furnace: Plain, spherical, or dished crown ✓ Material ✓
Tensile strength ✓ Thickness ✓ External diameter top ✓ Length as per Rule ✓
bottom ✓
Pitch of support stays circumferentially ✓ and vertically ✓ Are stays fitted with nuts or riveted over ✓
Diameter of stays over thread ✓ Radius of spherical or dished furnace crown ✓
Thickness of Ogee Ring ✓ Diameter as per Rule D ✓
d ✓
Combustion Chamber: Material ✓ Tensile strength ✓ Thickness of top plate ✓
Diam. if dished ✓ Thickness of back plate ✓ Diameter if circular ✓
Length as per Rule ✓ Pitch of stays ✓
Stays fitted with nuts or riveted over ✓ Diameter of stays over thread ✓
Shell Plates: Material front ✓ Tensile strength ✓ Thickness ✓ Mean pitch of stay tubes in nests ✓
back ✓
Comprising shell, dia. as per Rule front ✓ Pitch in outer vertical rows ✓ Dia. of tube holes FRONT stay ✓ BACK stay ✓
back ✓ plain ✓ plain ✓
Which alternate tube in outer vertical rows a stay tube ✓
Stays to Combustion Chamber Tops: Material ✓ Tensile strength ✓
Diam. and thickness of girder at centre ✓ Length as per Rule ✓
Pitch apart ✓ No. and pitch of stays in each ✓

Crown Stays: Material ✓ Tensile strength ✓ Diameter { at body of stay ✓
or
over threads ✓

No. of threads per inch ✓ Screw Stays: Material ✓ Tensile strength ✓

Diameter { at turned off part ✓
or
over threads ✓ No. of threads per inch ✓ Are the stays drilled at the outer ends ✓

Tubes: Material ✓ External diameter { plain ✓
stay ✓ Thickness { ✓
No. of threads per inch ✓ Pitch of tubes ✓

Manhole Compensation: Size of opening in shell plate $2'-6" \times 2'-6"$ Section of compensating ring $4\frac{1}{2} \times 4 \times 1$ No. of rivets and diameter
of rivet holes ✓ Outer row rivet pitch at ends ✓ Depth of flange if manhole flanged ✓

Uptake: External diameter ✓ Thickness of uptake plate ✓

Cross Tubes: No. ✓ External diameters { ✓ Thickness of plates ✓

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with ✓

The foregoing is a correct description,

FOR HARLAND AND WOLFE LIMITED

John W. Spark Manufacturer.
Secretary

Dates of Survey { During progress of
while work in shops - - }
building { During erection on
board vessel - - }

Is the approved plan of boiler forwarded herewith
(If not state date of approval.)

Total No. of visits

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

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

The boilers have been constructed under special survey in accordance with the Rules of Class 2 fusion welded pressure vessels and with the approved plan.

During the course of construction check welding tests have been taken in accordance with the requirements of the Rules for Class 2 vessels and the results in all cases found satisfactory.

The boilers have been efficiently installed on board the vessel.

Survey Fee ... £ 16 : - : - When applied for 27. 11. 19 51.
Travelling Expenses (if any) £ : : When received 19

Date FRI. 21 DEC 1951

Committee's Minute *Su F.E. moly. rpt.*

W. A. Smail
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
Foundation