

REPORT ON BOILERS.

No. 300

Received at London Office -5 JUL 1934

Date of writing Report 28 June 19 34 When handed in at Local Office 28 June 19 34 Port of VALENCIA

No. in Reg. Book 22909 Survey held at Valencia Date, First Survey 26 January 1934 Last Survey 27 June 19 34
(Number of Visits 8) Gross 3971
on the Steel Twin Sc. M/V. "CAMPILO" Tons Net 2059

Built at Valencia By whom built Union Naval de Levante Yard No. 22 When built 1933
Engines made at Barcelona By whom made Maquinista Terrestre y Marit. Engine No. 1&2 When made 1933
Boilers made at Ferrol By whom made Soc. Española de Construcción Naval Boiler No. When made 1933
Owners C.A.M.P.S.A. Port belonging to Seville

VERTICAL DONKEY BOILER.

Made at Ferrol By whom made Soc. Española de Constr. Naval Boiler No. When made 1933 Where fixed
Manufacturers of Steel Altos Hornos de Vizcaya

Total Heating Surface of Boiler 28.5 m² (306.75 sq.ft.) Is forced draught fitted Yes ✓ Coal or Oil fired oil ✓

No. and Description of Boilers One Vertical Auxiliary Boiler Cochran Type ✓ Working pressure 10.5 Kg/cm²

Tested by hydraulic pressure to 275 lbs Date of test 21st. October 1933 No. of Certificate 127

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 2 direct spring loaded 2" dia. each

Area of each set of valves per boiler { per rule 2.79 in² ✓
as fitted 6.28 in² ✓ Pressure to which they are adjusted 10.5 Kg/cm² ✓ Are they fitted with easing gear Yes

State whether steam from main boilers can enter the donkey boiler Smallest distance between boiler or uptake and bunkers

or 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 Height

Shell plates: Material Tensile strength Thickness

Are the shell plates welded or flanged Description of riveting: circ. seams { end...
inter... long. seams

Dia. of rivet holes in { circ. seams... Pitch of rivets { Percentage of strength of circ. seams { plate...
long. seams... rivets... of Longitudinal joint { rivets...
combined...

Working pressure of shell by rules Thickness of butt straps { outer...
inner...

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Material

Tensile strength Thickness Radius Working pressure by rules

Description of Furnace: Plain, spherical, or dished crown Material Tensile strength

Thickness External diameter { top... Length as per rule Working pressure by rules
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 Working pressure by rule

Thickness of Ogee Ring Diameter as per rule { D...
a... Working pressure by rule

Combustion Chamber: Material Tensile strength Thickness of top plate

Radius if dished Working pressure by rule Thickness of back plate Diameter if circular

Length as per rule Pitch of stays Are stays fitted with nuts or riveted over

Diameter of stays over thread Working pressure of back plate by rules

Tube Plates: Material { front... Tensile strength { Thickness { Mean pitch of stay tubes in nests
back...

If comprising shell, Dia. as per rule { front... Pitch in outer vertical rows { Dia. of tube holes FRONT { stay...
back... BACK { plain...
stay...
plain...

Is each alternate tube in outer vertical rows a stay tube Working pressure by rules { front...
back...

Girders to combustion chamber tops: Material Tensile strength

Depth and thickness of girder at centre Length as per rule

Distance apart No. and pitch of stays in each Working pressure by rule

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Crown stays: Material _____ Tensile strength _____ Diameter { at body of stay, _____
or
over threads. _____

No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____

Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part, _____
or
over threads. _____ No. of threads per inch _____

Area supported by each stay _____ Working pressure by rules _____ Are the stays drilled at the outer ends _____

Tubes: Material _____ External diameter { plain _____ Thickness { _____
stay _____

No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____

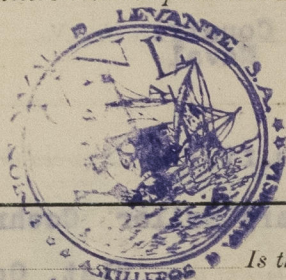
Manhole Compensation: Size of opening in shell plate _____ Section of compensating ring _____ No. of rivets and diameter _____

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,
UNION NAVAL DE LEVANTE, S.A.
ASTILLEROS Y TALLERES DE VALENCIA

Manufacturer.

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

Jan. 26. Feb. 23. March 8. April 12.
June. 9. 16. 23. 27

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

Total No. of visits 8

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been fitted on board the vessel under survey and is satisfactory.

The boiler has been examined under steam and the safety valves adjusted to 10.5 Kg/cm², the depth of the compression washers being :

P. 12.5 m/m.

S. 13.1 m/m.

The boiler is, in my opinion, eligible to be classed in this Society with notation of Aux.Blr. 6.34

NOTE. The safety valves originally fitted to this boiler were found unsatisfactory under steam and have been replaced by a double 2" spring loaded safety valve manufactured by Messrs. Cockburn of Cardonald.

Survey Fee ... Inclusive
Travelling Expenses (if any) £ fee charged

When applied for, 19
When received, 19

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 20 JUL 1934
Assigned See F.C. Rpt.

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