

REPORT ON BOILERS.

Received at London Office

of writing Report 22nd July 1926 When handed in at Local Office 19 Port of Paris

in Survey held at Amiens Date, First Survey 1st July 1926 Last Survey 10th July 1926

on the Vertical cross tube heating Boiler for the (Number of Visits 2) Gross Tons Net

at Bilbao By whom built Cia Euskalduna Yard No. When built

plates made at By whom made Engine No. When made

plates made at Amiens By whom made Veilliet, Lescurre Boiler No. When made

Port belonging to

VERTICAL DONKEY BOILER.

at Amiens By whom made Veilliet & Lescurre Boiler No. 2444 When made 1926 Where fixed

Manufacturers of Steel Fabrique de Fer de Montbeuge, Louvroil

Heating Surface of Boiler 10 sq. meters Is forced draught fitted No Coal or Oil fired oil

Description of Boilers Working pressure 6 Kgs

by hydraulic pressure to 12 Kgs Date of test 10-7-26 No. of Certificate 5

of Firegrate in each Boiler No. and Description of safety valves to each boiler 1 double spring type

of each set of valves per boiler { per rule 38 m dia Pressure to which they are adjusted Are they fitted with easing gear
as fitted 40 m/m

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

work 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 1m 380 Height 3m 90

plates: Material Steel Tensile strength 45 Kgs per sq. m/m Thickness 10 m/m (overall)

shell plates welded or flanged Description of riveting: circ. seams { end single riveted long. seams double riveted lap
inter.

rivet holes in { circ. seams 25 m/m Pitch of rivets { 65 m/m Percentage of strength of circ. seams { plate 58.5 of Longitudinal joint { plate 68.7
long. seams 25 m/m rivets 80 m/m rivets rivets
combined

ing pressure of shell by rules 9 K 250 Thickness of butt straps { outer
inner

rown: Whether complete hemisphere, dished partial spherical, or flat dished partial spherical Material Steel

strength 45 Kgs Thickness 15 m/m Radius 1375 m/m Working pressure by rules 9 K 900

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

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

f support stays circumferentially and vertically Are stays fitted with nuts or riveted over

er of stays over thread Radius of spherical or dished furnace crown Working pressure by rule

ss of Ogee Ring Diameter as per rule { D
d Working pressure by rule

tion Chamber: Material Steel Tensile strength 45 K. Thickness of top plate 15 m/m

if dished 1170 m/m Working pressure by rule 7 K 550 Thickness of curvular back plate 11 m/m Diameter if circular 1m 200

as per rule 1550 Pitch of stays 192 m/m Are stays fitted with nuts or riveted over riveted over

er of stays over thread 26 m/m Working pressure of back plate by rules 6 Kgs

lates: Material { front Tensile strength { Thickness { Mean pitch of stay tubes in nests
back

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

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

Shipping to combustion chamber tops: Material Tensile strength

thickness of girder at centre Length as per rule

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



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, or stay. } Thickness
 No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____
Manhole Compensation: Size of opening in shell plate $280 \frac{m}{m} \times 380 \frac{m}{m}$ Section of compensating ring $3600 \text{ sq. } \frac{m}{m}$ No. of rivets and diameter of rivet holes $20 @ 22 \frac{m}{m}$ Outer row rivet pitch at ends $140 \frac{m}{m}$ Depth of flange if manhole flanged
Uptake: External diameter $340 \frac{m}{m}$ Thickness of uptake plate $13 \frac{m}{m}$
Cross Tubes: No. 4 External diameters $220 \frac{m}{m}$ Thickness of plates $10 \frac{m}{m}$

Have all the requirements of Sections 4 to 23 inclusive for boilers been complied with _____

The foregoing is a correct description,

Walter Lawrence

Manufacturer

Dates of Survey while building { During progress of work in shops - - } $1/7/26 - 10/7/26$
 { During erection on board vessel - - }

Is the approved plan of boiler forwarded herewith $No - 3/26$
(If not state date of approval.)

Total No. of visits _____

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

This boiler is in good condition. The general workmanship is very good.

Survey Fee ... $798.-$ When applied for, 27.7 19 26
 Travelling Expenses (if any) £ 157.50 When received, 30.9 19 26

Committee's Minute Assigned

FRI. 8 APR 1927

FRI. 14 OCT. 1927

FRI. 13 JAN 1928

FRI. 20 JAN 1928

W. Wines
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation