

## REPORT ON BOILERS.

No. 22

Received at London Office

of writing Report *22nd July 1926* When handed in at Local Office *10* Port of *Paris*

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

Book 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

es made at By whom made Engine No. When made

rs made at *Amiens* By whom made *Veilliet, Lescure* Boiler No. When made

rs Port belonging to

## VERTICAL DONKEY BOILER.

at *Amiens* By whom made *Veilliet, Lescure* Boiler No. *2444* When made *1926* Where fixed

facturers of Steel *Fabrique de Fer de Montbeuge, Louvroil*

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

nd Description of Boilers Working pressure *85 lbs 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*

f 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 *1 m 380* Height *3 m 90*  
(overall)

lates: Material *Steel* Tensile strength *45 Kgs per sq. m/m* Thickness *10 m/m*

shell plates welded or flanged ☒ Description of riveting: circ. seams { end *single rivetted* long. seams *double rivetted 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*

ption of Furnace: Plain, spherical, or dished crown ☒ Material *bricks* Tensile strength ☒

ss ☒ 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 ☒

stion 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 *curcular* plate *11 m/m* Diameter if circular *1 m 200*

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

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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 ☒  
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 14 to 23 inclusive for boilers been complied with \_\_\_\_\_

The foregoing is a correct description,

*W. H. L. L. L.*

Manufactured

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

Is the approved plan of boiler forwarded herewith No -  $3/2$   
(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 workman is very good.*

Survey Fee ...  $798.-$   
Travelling Expenses (if any) £  $157.50$

When applied for,  $27.7$  19  $26$   
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

Engineer Surveyor to Lloyd's Register of Shipping.

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