

## REPORT ON BOILERS.

No. 2750

Received at London Office

14 OCT 1926

Date of writing Report 25<sup>th</sup> Sept. 1926 When handed in at Local Office 11<sup>th</sup> Oct. 1926 Port of TUNKIRKNo. in Survey held at TUNKIRK  
Reg. Book.Date, First Survey 6<sup>th</sup> May 1916Last Survey 22<sup>nd</sup> Sept. 1926

19744 on the Steel Ste. "PAUL EMILE JAVARY"

(Number of Visits 11)

Gross 2471

Tons Net 1452

Built at TUNKIRK

By whom built Soc. des At. et Chantiers de France

Card No. 137

When built 1926

Engines made at Copenhagen

By whom made Akt. Burmeister &amp; Wain's Maskin- og Skibsbyggeri

Engine No. 1218

When made 1925-26

Boilers made at Amman

By whom made Cochran &amp; Co. Amman Ltd

Boiler No. 9709

When made 1925

Owners Soc. Fran. de Commerce et d'Armement

Port belonging to Dunkirk

## VERTICAL DONKEY BOILER.

Made at ✓ By whom made ✓

Boiler No. 9709

When made

Where fixed Bat. Platform

Manufacturers of Steel ✓

Total Heating Surface of Boiler

60 sq

Is forced draught fitted

No ✓

Coal or Oil fired

Oil fired

No. and Description of Boiler

One Cochran Type ✓

Working pressure

100 lbs ✓

Tested by hydraulic pressure to 150 lbs. on board

Date of test 9<sup>th</sup> Augt. 1926 by B.V.

No. of Certificate 16902

Area of Firegrate in each Boiler ✓

No. and Description of safety valves to each boiler

Two 1½" Spring loaded ✓

Area of each set of valves per boiler

per rule 78240"  
as fitted 3.530"

Pressure to which they are adjusted 100 lbs ✓

Are they fitted with easing gear

Yes ✓

State whether steam from main boilers can enter the donkey boiler

No main boiler

Smallest distance between boiler or uptake and bunkers

or woodwork No bunkers or woodwork

Is oil fuel carried in the double bottom under boiler

Yes

Smallest distance between base of boiler and tank top plating

3'-6"

Is the base of the boiler insulated

Yes

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 ✓

long. seams

Dia. of rivet holes in

circ. seams ✓

long. seams ✓

Pitch of rivets

Percentage of strength of circ. seams

plate ✓

of Longitudinal joint

plate ✓

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 ✓

bottom ✓

Length as per rule

Working pressure by rules

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 ✓

d ✓

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 ✓

back ✓

Tensile strength

Thickness

Mean pitch of stay tubes in nests

comprising shell, Dia. as per rule

front ✓

back ✓

Pitch in outer vertical rows

Dia. of tube holes FRONT

stay ✓

plain ✓

BACK

stay ✓

plain ✓

each alternate tube in outer vertical rows a stay tube

Working pressure by rules

front ✓

back ✓

Orders 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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Lloyd's Register  
Foundation



REPORT ON BOILERS

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 ✓ 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 23 inclusive for boilers been complied with Yes

The foregoing is a correct description,

Manufacturer.

Dates of Survey { During progress of work in shops - ✓

while building { During erection on board vessel - -

4/5. 12/6. 17/7. 23/8. 24/8. 30/8. 7/9. 11/9. 13/9. 22/9. 1916 Total No. of visits 11.

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) See Glasgow Rpt. 44923 attached

The boiler of this vessel has been satisfactorily fitted on board, the feed pumps and Injector Examined under working Conditions, the safety valves adjusted under Steam to 100 lbs. per square inch. Washers are  $F = 12.1\%$ ,  $A = 15.2\%$ .

The boiler is in Good and safe working Condition and Eligible in my Opinion to receive the favourable Consideration of the Committee and to have the notation of D.B.S. 9, 26

The approved boiler tracing is forwarded herewith.

Survey Fee See Machinery Report : When applied for, 19

Travelling Expenses (if any) £ : : When received, 19

John Lighter  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 19 OCT 1928

Assigned See minute on attached report  
Dnk 2750

