

REPORT ON BOILERS.

No. 19106

Received at London Office 13 JAN 1930

Date of writing Report 13. 9. 1928 When handed in at Local Office 19

Port of Rotterdam

No. in Reg. Book Survey held at Rotterdam Date, First Survey 1st of August Last Survey 29th of Aug 1928
 on the Warship MV, "POELAU TELLO" (Number of Visits 8) Tons { Gross Net

Built at Flushing By whom built Hon Mr. De Schelde Yard No. When built 1920
 Engines made at Winterthur By whom made Sulzer Brothers Engine No. When made 1928
 Boilers made at Rotterdam By whom made Rott Drogena Mij Boiler No. 471 When made 1928
 Owners Huonv Mij, "Nederland" Port belonging to Amsterdam

VERTICAL ~~DONKEY~~ BOILER.

Made at Rotterdam By whom made Rott Drogena Mij Boiler No. 471 When made 1928 Where fixed
 Manufacturers of Steel Societe Anonyme des Usines Metallurgiques de la Basse-Loire
 Total Heating Surface of Boiler 60 sq ft Is forced draught fitted Coal or Oil fired Gas.

No. and Description of Boilers One vertical boiler Working pressure 72 lbs
 Tested by hydraulic pressure to 144 lbs Date of test 29. 8. 28 No. of Certificate 891

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 2 Spring loaded

Area of each set of valves per boiler { per wide. 9.80 as fitted Pressure to which they are adjusted 72 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 6'-8" Height 8'3 1/2"

Shell plates: Material S. M. Steel Tensile strength 26-30 tons 41-47 lbs Thickness 1/2" mesh

Are the shell plates welded or flanged No Description of riveting: circ. seams end Lap longitudinal inter. long. seams Lap 2 x riv

Dia. of rivet holes in { circ. seams 29/32" 23 mesh Pitch of rivets 2 1/4 Percentage of strength of circ. seams { plate 63.75% rivets 48.1% of Longitudinal joint { plate 63.75% rivets 84.2% combined

Working pressure of shell by rules 132 lbs 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 { 26-30 tons 16-30 tons Thickness { 3/4" 3/4" Mean pitch of stay tubes in nests 7 1/2"

comprising shell, Dia. as per rule { front back Pitch in outer vertical rows { Dia. of tube holes { Top FRONT { stay 2 1/4" plain 1 1/2" BACK { stay 2 plain 2

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

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 J.M. Hull External diameter { plain 2" stay 2" Thickness { 30 x 5/16 18 x 1/4
 No. of threads per inch 11 Pitch of tubes 3 Working pressure by rules 155 lbs
Manhole Compensation: Size of opening in shell plate 16 x 20" Section of compensating ring 2'4" x 2'0" No. of rivets and diam. of rivet holes 40 x 19/32" Outer row rivet pitch at ends 2 1/2" Depth of flange if manhole flanged 3 1/2"
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 ☒

The foregoing is a correct description,

ROTTERDAMSCH E DROOGDOEK MAATSCHAPPIJ

DIRECTEUR

Manufacture

Dates of Survey { During progress of work in shops - - } 1-4-8-14-17-23-27-29 ☒ Is the approved plan of boiler forwarded herewith Retained
 while building { During erection on board vessel - - } ☒ (If not state date of approval.) 9-5-20
 Total No. of visits 8

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been made according to the approved plan, Society's Rules and Secretary's letter. Material tested as required and workmanship good.

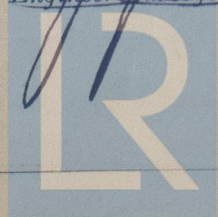
Survey Fee ... 50.00 When applied for, 4th 1928
 Travelling Expenses (if any) 1.50 When received, 10/10 1928

Committee's Minute
 Assigned

JAN 17 1930

See other J.E. Apt.

Engineer Surveyor to Lloyd's Register of Shipping.



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