

REPORT ON BOILERS.

No. 199

D1

Received at London Office

Date of writing Report

19

When handed in at Local Office

19

Port of

No. in Survey held at
Reg. Book

Date, First Survey

Last Survey

19

34733. on the TWIN SCREW MOTOR VESSEL

"TAMESIS"

(Number of Visits)

Gross 7256

Tons Net 4411

Built at DANZIG.

By whom built F. SCHICHAU G.m.b.H.

Yard No. 1424. When built 1939.

Engines made at ELBING.

By whom made F. SCHICHAU G.m.b.H.

Engine No. When made 1939.

Boilers made at HARBURG.

By whom made CHRISTIANSEN & MEYER.

Boiler No. 5263. When made 1939.

Owners W. WILHELMSSEN., OSLO.

Port belonging to TÖNSBERG.

VERTICAL DONKEY BOILER.

Made at HARBURG. By whom made CHRISTIANSEN & MEYER. Boiler No. 5263. When made 1939. Where fixed DANZIG.

Manufacturers of Steel

Total Heating Surface of Boiler 269 sq. ft. (25 M²). Is forced draught fitted Coal or Oil fired OIL.No. and Description of Boilers ONE VERTICAL CROSS TUBE. Working pressure 100 ^{LB}/IN²Tested by hydraulic pressure to 200 ^{LB}/IN². Date of test ? No. of Certificate ?

Area of Firegrate in each Boiler ✓ No. and Description of safety valves to each boiler 2 SPRING LOADED 45 mm. dia.

Area of each set of valves per boiler { per rule 2.92 in²
as fitted 4.92 in². Pressure to which they are adjusted 100 ^{LB}/IN². 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 1900 mm. Height 4500 mm.

Shell plates: Material Steel. Tensile strength 35 - 44 kgp/mm². Thickness 16 mm.Are the shell plates welded or flanged No. Description of riveting: circ. seams { end S.R. lap.
inter. ✓ long. seams D.R. lap.Dia. of rivet holes in { circ. seams 24 mm. Pitch of rivets { 60 mm. Percentage of strength of circ. seams { plate 60.3
long. seams 24 mm. { 80 mm. { rivets 42.3 of Longitudinal joint { plate 70
combined. ✓ rivets 58.3Working pressure of shell by rules 7.62 kgp/cm² (108 ^{LB}/IN²) Thickness of butt straps { outer ✓
inner ✓

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

Tensile strength 35 - 44 kgp/mm². Thickness 20 mm. Radius 1900 mm. Working pressure by rules 7.55 kgp/cm².Description of Furnace: Plain, spherical, or dished crown Dished Crown. Material Steel Tensile strength 35-44 kgp/mm²Thickness 20 mm. External diameter { top 1600 mm.
bottom 1600 mm. Length as per rule 2140 mm. Working pressure by rules 7.03 kgp/cm².

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 1600 mm. Working pressure by rule 7 kgp/cm².Thickness of Ogee Ring 20 mm. Diameter as per rule { D 1868 mm.
d 1700 mm. Working pressure by rule 10 kgp/cm².

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 ✓ { plain ✓ BACK { 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 ✓

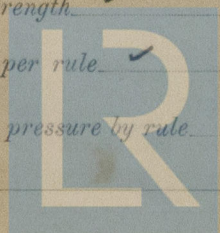
Distance apart ✓ No. and pitch of stays in each ✓ Working pressure by rule ✓

If not, state whether, and when, one will be sent?

Is a Report also sent on the Hull of the Ship?

Lloyd's Register of Shipping (MADE IN ENGLAND)

W264 - 0196



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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 430 x 530 mm. Section of compensating ring 526 x 20 mm. No. of rivets and diameter
of rivet holes 43 x 24 mm dia. Outer row rivet pitch at ends 120 mm. Depth of flange if manhole flanged 80 mm.
Uptake: External diameter 490 mm. Thickness of uptake plate 20 mm.
Cross Tubes: No. 16. External diameters { 216 mm. Thickness of plates 9.5 mm.

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with

The foregoing is a correct description,

Manufacturer.

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

Is the approved plan of boiler forwarded herewith 14/2/38.
(If not state date of approval.)

Total No. of visits

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

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

Survey Fee ... £ : : } When applied for, 19
Travelling Expenses (if any) £ : : } When received, 19

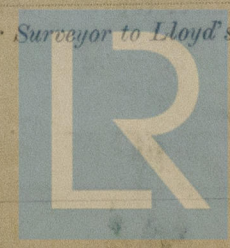
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE 27 FEB 1940

Assigned

See Quiz 7C 197



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