

REPORT ON BOILERS.

No. 7752.

Received at London Office

9.11.1928

Report 28/6 28. When handed in at Local Office 19 Port of Copenhagen.

Survey held at Nakskov. Date, First Survey 25/1 28. Last Survey 26/6 1928

the Steamer L. Motor vessel "VICTORIA" (Number of Visits 10.) Gross 4499.93 Tons Net 2746.83

Nakskov. By whom built N. Nakskov Skibsværft. Yard No. 34 When built 1928.
at Copenhagen. By whom made N. Bümmister & Wain Engine No. 1420 When made 1927-8.
at By whom made Boiler No. When made
O/S Orient. Port belonging to Copenhagen.

AL DONKEY BOILER.

Nakskov. By whom made N. Nakskov Skibsværft. Boiler No. 8. When made 1928 Where fixed in motor room.

of Steel Aristo funvarks atskibsk. Is forced draught fitted No Coal or Oil fired oil.

Surface of Boiler 7.62 m². Working pressure 100 lbs.

Description of Boilers in 1/2 vertical, crosswise. Hydraulic pressure to 200 lbs./sq. in. Date of test 16th May 1928. No. of Certificate 487.

Grate in each Boiler No. and Description of safety valves to each boiler 1 1/2 direct spring loaded.

Set of valves per boiler per rule 7 cm². as fitted 19.6 cm². Pressure to which they are adjusted 100 lbs./sq. in. Are they fitted with easing gear yes.

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

Is oil fuel carried in the double bottom under boiler Is the base of the boiler insulated No. Largest internal dia. of boiler 1400 mm Height 3760 mm.

Material S. M. steel. Tensile strength 44 kg/mm². Thickness 9.8 mm.

Plates welded or flanged No. Description of riveting: circ. seams end lap single riv. long. seams lap, 2 riv. rivets.

Plates in circ. seams 20 mm. Pitch of rivets 50 mm. Percentage of strength of circ. seams plate 60 rivets 57.2 of Longitudinal joint plate 67.6 rivets 91.2 combined.

Stress of shell by rules 8.26 kg/cm². Thickness of butt straps outer inner

Whether complete hemisphere, dished partial spherical, or flat dished, partial spherical. Material S. M. steel.

41 kg/cm². Thickness 13 mm. Radius 1300 mm. Working pressure by rules 8.24 kg/cm².

Furnace: Plain, spherical, or dished crown partial spherical. Material S. M. steel. Tensile strength 41 kg/cm².

14 mm. External diameter top 1028 mm bottom 1200 mm. Length as per rule 1480 mm. Working pressure by rules 7.79 kg/cm².

Stays circumferentially and vertically Are stays fitted with nuts or riveted over

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

Stays Ring Diameter as per rule Working pressure by rule

Number: Material Tensile strength Thickness of top plate

Working pressure by rule Thickness of back plate Diameter if circular

Pitch of stays Are stays fitted with nuts or riveted over

Stays over thread Working pressure of back plate by rules

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

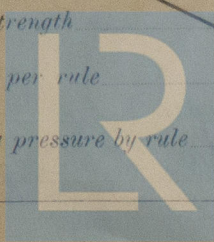
Shell, Dia. as per rule front back Pitch in outer vertical rows Dia. of tube holes FRONT stay plain BACK stay plain

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

Combustion chamber tops: Material Tensile strength Length as per rule Working pressure by rule

Thickness of girder at centre No. and pitch of stays in each

W 556-0309



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Crown stays: Material

Tensile strength

Diameter { at body of stay, or over threads

Working pressure by rules

No. of threads per inch

Area supported by each stay

Diameter { at turned off part, or over threads

No. of threads per inch

Screw stays: Material

Tensile strength

Working pressure by rules

Are the stays drilled at the outer ends

Area supported by each stay

External diameter { plain stay

Thickness

Tubes: Material

Working pressure by rules

No. of threads per inch

Pitch of tubes

Manhole Compensation: Size of opening in shell plate 300 x 400 mm.

Section of compensating ring 150 x 16 mm. No. of rivets

of rivet holes 36 7/8 20 mm. Outer row rivet pitch at ends 90 mm.

Depth of flange if manhole flanged

Uptake: External diameter 305 mm.

Thickness of uptake plate 13 mm.

Cross Tubes: No. 2 External diameters { 230 mm.

Thickness of plates 13 mm.

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

The foregoing is a correct description

NAKSKOV SKIBSVÆRFT

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

25/1. 28/3. 3/4. 27/4. 16/5 28. 22/5. 1/6. 18/6. 22/6. 26/6 28.

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

Total No. of visits 10.

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

The donkey boiler as above described has been built under special survey and in accordance with the Society's Rules, the approved plan and the requirements contained in the Secretary's letter of dated 15/7 27. The material has - according to the protestant Certificate - been tested and found as required by the Rules and found good, and the workmanship is good. The boiler has been fitted on board the vessel under the supervision and satisfaction of the undersigned, and a 75 x 40 x 75 mm duplex feed pump feed injectors have been fitted to feed the boiler.

Recommend the vessel to have notation of D.B. 100 lb. in the Register Book.

Survey Fee

Travelling Expenses (if any) £

When applied for.

When received.

Engineer

Surveyor to Lloyd's Register

Committee's Minute

Assigned

TUES. 17 JUL 1928

See Rpt. attached



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