

REPORT ON BOILERS.

No. 7373

8 JAN 1929

Received at London Office

5a.

Writing Report

4th January 1929

When handed in at Local Office

5th January 1929

Port of

Gothenburg

Survey held at

Gothenburg

Date, First Survey

28th November 1927

Last Survey

27th December 1928

(Number of Visits 12)

Gross 9912

Net 5221

When built 1928

When made 1928

When made 1928

"GLARONA"

Built at

Gothenburg

By whom built

AKT. GÖTAVERKEN

Boilers made at

Gothenburg

By whom made

AKT. GÖTAVERKEN

Boilers made at

Gothenburg

By whom made

AKT. LINDHOLMEN - NOTALA

Registered Horse Power

724

Owners

H. Tschudis Tankrederi A/S

Port belonging to

Oslo

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Is forced draft fitted ☒ No. and Description of

Total Heating Surface of Boilers $24330 \frac{1}{2} \text{ sq. ft.}$ Working Pressure $105 \frac{1}{2} \text{ lbs.}$ Tested by hydraulic pressure to $194 \frac{1}{2} \text{ lbs.}$ Date of test 22.6.28

Boilers 2 cylindrical multitubular Area of fire grate in each boiler 61 sq. ft. No. and Description of

of Certificate 225/226 Can each boiler be worked separately ☒ Area of each valve 75 sq. in. Pressure to which they are adjusted 150 lbs.

Double spring loaded Area of each valve 75 sq. in. Pressure to which they are adjusted 150 lbs.

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ☒ No main boilers

Smallest distance between boilers 750 mm. Mean dia. of boilers 3505 mm. Length 3380 mm.

Material of shell plates $S.M. Steel$ Thickness 20 mm. Range of tensile strength $45.7-49.0 \text{ kg./sq. cm.}$ Are the shell plates welded or flanged ☒ No

Descrip. of riveting: cir. seams $Double lap long. seams Double butt straps$ Diameter of rivet holes in long. seams 23.8 mm. Pitch of rivets 136 mm.

Gap of plates or width of butt straps $Outer 378 \text{ mm.}$ Per centages of strength of longitudinal joint 105 Working pressure of shell by plate 90.1

Size of manhole in shell $400 \times 500 \text{ mm.}$ Size of compensating ring $800 \times 700 \times 20 \text{ mm.}$ No. and Description of Furnaces in each

Material $S.M. Steel$ Outside diameter 1200 mm. Length of plain part 1200 mm. Thickness of plates 12 mm.

Description of longitudinal joint $Welded$ No. of strengthening rings 1 Working pressure of furnace by the rules $10.25 \text{ kg./sq. cm.}$ Combustion chamber

Material $S.M. Steel$ Thickness: Sides 17 mm. Back 17 mm. Top 17 mm. Bottom 17 mm. Pitch of stays to ditto: Sides $210 \times 210 \text{ mm.}$ Back $205 \times 215 \text{ mm.}$

Stays are fitted with nuts or riveted heads ☒ Riveted over Working pressure by rules $10.70 \text{ kg./sq. cm.}$ Material of stays $S.M. Steel$ Area at

Area supported by each stay $260 \times 205 \text{ mm.}$ Working pressure by rules $10.56 \text{ kg./sq. cm.}$ End plates in steam space: Material $S.M. Steel$ Thickness $20 \times 21 \text{ mm.}$

How are stays secured $Double nuts & outside$ Working pressure by rules 11.2 kg./sq. cm. Material of stays $S.M. Steel$ Area at smallest part 57 mm.

Area supported by each stay $405 \times 230 \text{ mm.}$ Working pressure by rules 12.0 kg./sq. cm. Material of Front plates at bottom $S.M. Steel$ Thickness 20 mm. Material of

Greatest pitch of stays $As per plan$ Working pressure of plate by rules 10.9 kg./sq. cm. Diameter of tubes $2 \frac{1}{2} \text{ in.}$

Pitch of tubes $89 \times 95 \text{ mm.}$ Material of tube plates $S.M. Steel$ Thickness: Front 20 mm. Back 18 mm. Mean pitch of stays 280 mm. Pitch across wide

Water spaces 330 mm. Working pressures by rules $11.52 \text{ kg./sq. cm.}$ Girders to Chamber tops: Material $S.M. Steel$ Depth and thickness of

Girder at centre $185 \times 17 \text{ mm.}$ Length as per rule 735 mm. Distance apart 207 mm. Number and pitch of Stays in each $2 - 210 \text{ mm.}$

Working pressure by rules $12.13 \text{ kg./sq. cm.}$ Steam dome: description of joint to shell ☒ % of strength of joint ☒

Diameter ☒ Thickness of shell plates ☒ Material ☒ Description of longitudinal joint ☒ Diam. of rivet holes ☒

Pitch of rivets ☒ Working pressure of shell by rules ☒ Crown plates ☒ Thickness ☒ How stayed ☒

UPERHEATER. Type ☒ Date of Approval of Plan ☒ Tested by Hydraulic Pressure to ☒

Date of Test ☒ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler ☒

Diameter of Safety Valve ☒ Pressure to which each is adjusted ☒ Is Easing Gear fitted ☒

The foregoing is a correct description,

Manufacturer.

Dates of Survey: During progress of 1927: 28/11, 4/12, 21/12, 30/12 1928: 23/1, 14/4 22/6 Is the approved plan of boiler forwarded herewith ☒ No

while building: During erection on 11/12, 20/12, 27/12. Total No. of visits 12

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

These boilers have been built under Special Survey in accordance with the Society's Rules & approved plans. The workmanship is good. The material for these boilers as per test sheets forwarded with report No. 7328

Survey Fee ... £ 345.80 : When applied for, 5th January 1929
Travelling Expenses (if any) £ : When received, 16.4.1929

Committee's Minute ☒ FRI. 11 JAN 1929

Assigned See S. rpt. attached

G. Brander, E. Bernelius
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register of Shipping
002418-002426-0105