

REPORT ON BOILERS.

No.

Received at London Office

TUE. APR. 3 1923

Date of writing Report

19

When handed in at Local Office

19

Port of

Bremen

No. in Survey held at

Bremen

Date, First Survey

Last Survey

19

Reg. Book.

on the *Twin S MUNCHEN*

(Number of Visits)

Gross

Tons

Net

Master

Built at *Bremen*By whom built *Act. Ges. Naser*

When built

Engines made at

Bremen

By whom made

When made

Boilers made at

Bremen

By whom made

When made

Registered Horse Power

Owners

Port belonging to

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

(Letter for record)

*S*Total Heating Surface of Boilers *6 Double + 1 Single 42,000 sq ft*

No. and Description of

Boilers

*One single ended*Working Pressure *15.5 kg* Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler *7.25 m²* No. and Description of

safety valves to each boiler

Two

Area of each valve

Pressure to which they are adjusted

Are they fitted with easing gear

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers *3200 mm* Length *3540 mm*

Material of shell plates

Thickness *38.5 mm*Range of tensile strength *47-55 kg* Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

5 R 10

long. seams

*Double*Diameter of rivet holes in long. seams *4.1 mm* Pitch of rivets

Lap of plates or width of butt straps

Thickness *29 mm*

Per centages of strength of longitudinal joint

rivets *86 1/2 %*

Working pressure of shell by

rules *15.5 kg*

Size of manhole in shell

Size of compensating ring *38 1/2 mm* Thick

No. and Description of Furnaces in each

boiler *4 furnaces*Material *Steel*Outside diameter *1134 mm*

Length of plain part

top

Thickness of plates

crown *17 mm*

Description of longitudinal joint

Weld

No. of strengthening rings

Working pressure of furnace by the rules

15.5 kg

Combustion chamber

plates: Material *Steel*Thickness: Sides *18.5*Back *18.5*Top *18.5*Bottom *18.5*Pitch of stays to ditto: Sides *170x105*Back *70x200*Top *170x205*

If stays are fitted with nuts or riveted heads

*Nuts*Working pressure by rules *22 kg*

Material of stays

Steel

Area at

Diam. *38-53.5*

Area supported by each stay

Working pressure by rules *18.5 kg*End plates in steam space: Material *Steel*Thickness *25 mm*Diam. *47 mm*

Area at smallest part

Pitch of stays *430x380*

How are stays secured

*Skirts*Working pressure by rules *15.5 kg*

Material of stays

Steel

Area at smallest part

Area supported by each stay *400x400*

Working pressure by rules

15.5 kg

Material of Front plates at bottom

*Steel*Thickness *25 mm*

Material of

Lower back plate

*Steel*Thickness *27 mm*Greatest pitch of stays *420x200*Working pressure of plate by rules *16.5 kg*Diameter of tubes *76 mm*Pitch of tubes *103x105*

Material of tube plates

*Steel*Thickness: Front *25 mm*Back *24 mm*Mean pitch of stays *236 mm*

Pitch across wide

water spaces *355 mm*Working pressures by rules *14.6 kg*Girders to Chamber tops: Material *Steel*

Depth and thickness of

girders at centre *270x2x15*Length as per rule *720*Distance apart *200*Working pressure by rules *21 kg*

Steam dome: description of joint to shell

None

% 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.

Is the approved plan of boiler forwarded herewith

Total No. of visits

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

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

Survey Fee £

When applied for, 19

Travelling Expenses (if any) £

When received, 19

Committee's Minute

TUE. 17 APR. 1923

Assigned

Engineer Surveyor to Lloyd's Register of Shipping.

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W694 - 0035
Foundation