

REPORT ON BOILERS.

No. 18202

Port of Rotterdam

Received at London Office

TUE. 9 OCT. 1923

No. in Survey held at
Reg. Book.

Schiedam

Date, first Survey

See machinery report.

Last Survey

19

on the

Steel Screw Steamer "HOLLAND"

(Number of Visits ✓)

Tons } Gross
Net

Master

Built at

Schiedam

By whom built

Schepb. Mr. Nieuwe Waterweg

When built

1923

Engines made at

Schiedam

By whom made

Schepb. Mr. Nieuwe Waterweg

When made

1923

Boilers made at

Schiedam

By whom made

Schepb. Mr. Nieuwe Waterweg

When made

1923

Registered Horse Power

142

Owners

Verenigde Ned. Schepb. Myr.

Port belonging to

Gravenhage

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel William Beardmore & Co

(Letter for record

5

Total Heating Surface of Boilers

2028 sq

Is forced draft fitted

Yes

No. and Description of

Boilers 2 single ended main boilers

Working Pressure 200 lbs

Tested by hydraulic pressure to

350 lbs

Date of test 25-7-23

No. of Certificate

703

Can each boiler be worked separately

Yes

Area of fire grate in each boiler

29.5 sq

No. and Description of

safety valves to each boiler 2 high lifting spring loaded

Area of each valve

5.14 sq

Pressure to which they are adjusted

200 lbs

Are they fitted with easing gear

Yes

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

No D.B.

Smallest distance between boilers or uptakes and bunkers or woodwork

Over 18"

Mean dia. of boilers

10'0"

Length

11'0"

Material of shell plates

SM steel

Thickness

1 1/16"

Range of tensile strength

28-32 tons

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

lap 2 x riv long. seams

Double butt 3 x riv

Diameter of rivet holes in long. seams

1 1/16"

Pitch of rivets

7 1/4"

Lap of plates or width of butt straps

15 1/8"

Per centages of strength of longitudinal joint

rivets 100%

plate 85%

Working pressure of shell by

rules

216 lbs

Size of manhole in shell

15 1/2" x 19 1/2"

Size of compensating ring

6" x 1"

No. and Description of Furnaces in each

boiler 2 Morisons

Material SM steel

Outside diameter

3'2 1/4"

Length of plain part

top

Thickness of plates

crown 3/8"

bottom 1/2"

Description of longitudinal joint

Welded

No. of strengthening rings

None

Working pressure of furnace by the rules

235 lbs

Combustion chamber

plates: Material SM steel

Thickness: Sides

1 1/32"

Back

1 1/32"

Top

1 1/32"

Bottom

Pitch of stays to ditto: Sides

7 1/2" x 8 1/2"

Back

8 1/2" x 8"

Top 9" x 1 1/8" If stays are fitted with nuts or riveted heads

riveted heads

Working pressure by rules

200 lbs

Material of stays

SM steel

Diameter at

smallest part

1 5/8"

Area supported by each stay

65 3/4 sq

Working pressure by rules

114 lbs

End plates in steam space: Material

SM steel

Thickness

1 1/16" + 9/16"

Pitch of stays

16"

How are stays secured

rivets in plates

Working pressure by rules

approved

Material of stays

SM steel

Diameter at smallest part

2 1/4"

Area supported by each stay

256 sq

Working pressure by rules

207 lbs

Material of Front plates at bottom

SM steel

Thickness

1/8"

Lower back plate

SM steel

Thickness

1 1/16"

Greatest pitch of stays

15" x 8 1/2"

Working pressure of plate by rules

308 lbs

Diameter of tubes

2 1/4"

Pitch of tubes

3 1/8"

Material of tube plates

SM steel

Thickness: Front

7/8"

Back

3/4"

Mean pitch of stays

9 1/16"

Pitch across wide

water spaces

14"

Working pressures by rules

201 lbs

Girders to Chamber tops: Material

SM steel

Depth and thickness of

girder at centre

2 x 7 1/2" x 7/4"

Length as per rule

80"

Distance apart

1 1/8"

Number and pitch of Stays in each

2 à 9"

Working pressure by rules

275 lbs

Superheater or Steam chest: how connected to boiler

-

Can the superheater be shut off and the boiler worked

separately

-

Diameter

-

Length

-

Thickness of shell plates

-

Material

-

Description of longitudinal joint

-

Diam. of rivet

holes

-

Pitch of rivets

-

Working pressure of shell by rules

-

Diameter of flue

-

Material of flue plates

-

Thickness

-

If stiffened with rings

-

Distance between rings

-

Working pressure by rules

-

End plates: Thickness

-

How stayed

-

Working pressure of end plates

-

Area of safety valves to superheater

-

Are they fitted with easing gear

-

VERTICAL DONKEY BOILER—No. Description Manufacturers of steel

Made at

By whom made

When made

Where fixed

Working pressure

Tested by hydraulic pressure to

Date of test

No. of Certificate

Fire grate area

Description of safety valves

No. of safety valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

enter the donkey boiler

Dia. of donkey boiler

Length

Material of shell plates

Thickness

Range of tensile

strength

Descrip. of riveting long. seams

Dia. of rivet holes

Whether punched or drilled

Pitch of rivets

-

-

Lap of plating

Per centage of strength of joint

Rivets

Plates

Working pressure of shell by rules

-

Thickness of shell crown plates

Radius of do.

No. of Stays to do.

Dia. of stays

Diameter of furnace Top

Bottom

Length of furnace

Thickness of furnace plates

Description of joint

Working pressure of furnace by rules

-

Thickness of furnace crown

-

plates

Radius of do.

Stayed by

-

Diameter of uptake

-

Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description,

NEW WATERLOO SHIPBUILDING CO.

Manufacturer.

Dates

Survey

while

building

During progress of

work in shops - -

During erection on

board vessel - - -

Total No. of visits

See report on machinery

Is the approved plan of main boiler forwarded herewith

"

"

"

donkey

"

"

"

"

"

"

"

"

"

"

"

"

009067-009073-0123

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

These boilers have been made in accordance with the Rules, approved plans and Secretary's letters and have now been satisfactorily fitted.

Certificate (if required) to be sent to

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for,
Special	£	:	:	19
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £	:	:	:	19

Committee's Minute

TUE OCT 16 1923

Assigned

J. J. Oshroo
Engineer Surveyor in Lloyd's Register of British and Foreign Shipping.



© 2021

Lloyd's Register
Foundation

FRI 14 MAY 1937