

REPORT ON BOILERS.

No. 7503

1-MAY 1942

Received at London Office

Date of writing Report

9th APRIL 1942

When handed in at Local Office

9th APRIL 1942

Port of PLYMOUTH

No. in Survey held at
Reg. Book.

PLYMOUTH

Date, First Survey 8-7-41

Last Survey 25-11-1941

(Number of Visits 26)

Gross 1395

Tons

Net 811

Master

Built at

HARLEM

By whom built

N. V. WERF. CONRAD.

When built

1918

Engines made at

HENGEL

By whom made

GEBR. STORCK & CO

When made

1918

Boilers made at

DO -

By whom made

DO -

When made

1918

Registered Horse Power

133

Owners

THE MINISTRY OF WAR TRANSPORT

Port belonging to

GLASGOW

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

(Letter for record

) Total Heating Surface of Boilers

1560

Is forced draft fitted

No

No. and Description of

Boilers

2 Single Ended

Working Pressure

100 LBS

Tested by hydraulic pressure to 200 LBS

Date of test 7-8-41

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler

24.4

No. and Description of

safety valves to each boiler

2 - SPRING LOADED

Area of each valve

10.84

Pressure to which they are adjusted

100 LBS

Are they fitted with easing gear

YES

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

YES

Smallest distance between boilers or uptakes and bunkers or woodwork

3' 4"

Mean dia. of boilers

12' 4 1/16"

Length

9' 10"

Material of shell plates

STEEL

Thickness

1 3/16"

Range of tensile strength

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

D. R. Laplong. seams

T. H. D. B. & P.

Diameter of rivet holes in long. seams

5/16"

Pitch of rivets

7/8"

Gap of plates or width of butt straps

17/8"

Per centages of strength of longitudinal joint

rivets

Working pressure of shell by

rules

Size of manhole in shell

15" X 11"

Size of compensating ring

2' 8 1/8" X 2' 4 1/8"

No. and Description of Furnaces in each

boiler

THREE - DEIGHTON

Material

STEEL

Outside diameter

39 3/32"

Length of plain part

Thickness of plates

crown

3/16"

Description of longitudinal joint

WELDED

No. of strengthening rings

Working pressure of furnace by the rules

192 LBS

plates: Material

STEEL

Thickness: Sides

2 1/32"

Back

2 1/32"

Top

2 1/32"

Bottom

2 1/32"

Pitch of stays to ditto: Sides

6 3/8" X 7/8"

Back

6 3/8" X 7/8"

Top

6 3/8" X 7/8"

If stays are fitted with nuts or riveted heads

NUTS & WASHERS

Working pressure by rules

Material of stays

STEEL

Area at

smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space: Material

STEEL

Thickness

1 3/16"

Pitch of stays

16 3/16" X 1 3/16"

How are stays secured

NUTS & WASHERS

Working pressure by rules

Material of stays

STEEL

Area at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

STEEL

Thickness

5/16"

Material of

STAYS

2 1/4"

Material of

STAYS

2 1/4"

Lower back plate

STEEL

Thickness

5/16"

Greatest pitch of stays

6 3/8" X 12 3/8"

Working pressure of plate by rules

Diameter of tubes

2 1/4"

Pitch of tubes

3 7/16" X 3 7/16"

Pitch of tubes

3 7/16" X 3 7/16"

Material of tube plates

STEEL

Thickness: Front

5/16"

Back

5/16"

Mean pitch of stays

8 1/8" X 6 3/8"

Pitch across wide

water spaces

12 3/8"

Working pressures by rules

Girders to Chamber tops: Material

girder at centre

8 7/16" @ 11"

Length as per rule

Distance apart

9 13/16"

Number and pitch of Stays in each

2 @ 8 1/2"

Working pressure by rules

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

SUPERHEATER. Type

Date of Approval of Plan

Tested by Hydraulic Pressure to

200 LBS

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

No PLANS AVAILABLE.

Total No. of visits

26.

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

The Boilers of this Vessel are in an efficient condition, and eligible in my opinion to be classed in the Register Book as recommended in the Machinery Report.

Survey Fee

...

£

Free Machy

When applied for,

19.

Travelling Expenses (if any) £

Report :

When received,

19.

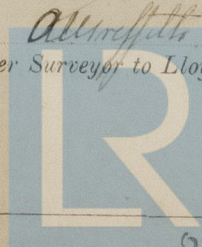
Committee's Minute

TUE. 23 JUN 1942

Assigned

See Reg. 7503

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register

610982-010991-0071