

Rpt. 5a.

REPORT ON BOILERS.

No. 39441.

Received at London Office

Date of writing Report

191

When handed in at Local Office

9/12/1919

Port of

Glasgow

No. in

Survey held at

Glasgow

Date, First Survey

11/4/19

Last Survey

18/6/1919

Reg. Book.

Boilers B288 S/S Goodie

(Number of Visits)

4

Gross

Net

Master

Built at

Alloa

By whom built

For the S/S. By 6024 (No 201)

When built

Engines made at

Alloa

By whom made

Hoo

When made

Boilers made at

Glasgow

By whom made

D Rowan 6024 (No 13288)

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

21284

Is forced draft fitted

No. and Description of

Boilers

2 Single ended

Working Pressure

180

Tested by hydraulic pressure to

360

Date of test 18.6.19

No. of Certificate

14787

Can each boiler be worked separately

Area of fire grate in each boiler

334

No. and Description of

safety valves to each boiler

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

11.0

Length

Material of shell plates

Steel

Thickness

5/16

Range of tensile strength

28 to 32 tons

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

6 Lap

long. seams

T.R.D.B.S

Diameter of rivet holes in long. seams

1"

Pitch of rivets

Lap of plates or width of butt straps

15"

Per centages of strength of longitudinal joint

rivets 93.6

plate 85.2

Working pressure of shell by

rules

180

Size of manhole in shell

16" x 12"

Size of compensating ring

31 x 27 x 15"

No. and Description of Furnaces in each

boiler

2 Brighton

Material

Steel

Outside diameter

40"

Length of plain part

top

Thickness of plates

crown

bottom

1 1/2"

Description of longitudinal joint

Welded

No. of strengthening rings

-

Working pressure of furnace by the rules

189

Combustion chamber

plates: Material

Steel

Thickness: Sides

1/4"

Back

5/8"

Top

1/4"

Bottom

16"

Pitch of stays to ditto: Sides

9 1/2 x 3/4"

Back

Top

9 1/2 x 3/4"

If stays are fitted with nuts or riveted heads

Nuts

Working pressure by rules

182

Material of stays

Steel

Diameter at

smallest part

1 1/2"

Area supported by each stay

74 sq

Working pressure by rules

214

End plates in steam space: Material

Steel

Thickness

15/16"

Pitch of stays

15 x 13 3/4"

How are stays secured

Nuts

Working pressure by rules

170

Material of stays

Steel

Diameter at smallest part

3 9/16"

Area supported by each stay

207

Working pressure by rules

200

Material of Front plates at bottom

Steel

Thickness

3/4"

Material of

Lower back plate

Steel

Thickness

25"

Pitch of tubes

4 1/2 x 4 3/8"

Material of tube plates

Steel

Thickness: Front

29"

Back

13/16"

Mean pitch of stays

11 1/8"

Pitch across wide

water spaces

14"

Working pressures by rules

182

Girders to Chamber tops: Material

Steel

Depth and thickness of

girder at centre

7 1/4 x 3/4 (2)

Length as per rule

28 1/2"

Distance apart

7 3/4"

Number and pitch of Stays in each

(2) 9 1/2"

Working pressure by rules

181

Superheater or Steam chest: how connected to boiler

None

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

Survey request form

No. 2312 attached

The foregoing is a correct description,

David Rowan & Co Ltd

Manufacturer.

Dates

During progress of

1919. April. June 3. 18.

Is the approved plan of boiler forwarded herewith

Yes

of Survey

work in shops - -

while

During erection on

building

board vessel - -

Total No. of visits

3

GENERAL REMARKS

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

These boilers have been built

under special survey materials and workmanship are good.

These boilers are securely fitted on board

Survey Fee

...

£

When applied for,

191

Travelling Expenses (if any)

£

When received,

191

Committee's Minute

GLASGOW 16 DEC 1919

Assigned

See accompanying machinery report.

as E. Asthore & Co. Ltd. Gordon Munn

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



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