

REPORT ON BOILERS.

No. 33989.
WED. MAY. 27. 1914

Received at London Office

TUE. JUL. -7. 1914

Date of writing Report

191

When handed in at Local Office

19-5-1914 Port of Glasgow

No. in Survey held at

Glasgow

Date, First Survey

8. 1. 14

Last Survey

22. 4. 1914

Reg. Book.

on the Boiler 2-304

1/2 "Linda Blanche"

(Number of Visits

6.)

Gross 530.

Tons

Net 199

Registered

Built at

Bowling

By whom built

Scott & Sons 254.

When built

1914

Engines made at

Glasgow

By whom made

Atchison Blair & Co. 87.

When made

1914

Boilers made at

Glasgow

By whom made

David Rowan & Co. 2-204

When made

1914

Registered Horse Power

103.

Owners

Anglesey Shipping Co

Port belonging to

Beaumaris

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel David Colville & Sons Ltd

Letter for record

(5) ✓

Total Heating Surface of Boilers

1905-#

Is forced draft fitted

No

No. and Description of

Boilers One Single Ended ✓

Working Pressure

180 lb

Tested by hydraulic pressure to

360 lb

Date of test 22/4/14

Date of Certificate

12 6 6 91

Can each boiler be worked separately

✓

Area of fire grate in each boiler

58.5-#

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

2 ft.

Mean dia. of boilers

14-6"

Length

10-6"

Material of shell plates

slut

Thickness

1 1/4"

Range of tensile strength

28-32

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

D. R. L.

long. seams

D. B. S.

Diameter of rivet holes in long. seams

1 1/4"

Pitch of rivets

8-5/8"

Pitch of plates or width of butt straps

18 1/2"

Per centages of strength of longitudinal joint

rivets 90.5

plate 85.4

Working pressure of shell by

Size of manhole in shell

16 x 12

Size of compensating ring

Flanged

No. and Description of Furnaces in each

No. of furnaces

3

Material

slut

Outside diameter

3-9 1/8"

Length of plain part

top

bottom

Thickness of plates

crown 17 1/2"

bottom 17 1/2"

Description of longitudinal joint

weld

No. of strengthening rings

✓

Working pressure of furnace by the rules

180

Combustion chamber

Material

slut

Thickness: Sides

3/4"

Back

2 1/32"

Top

3/4"

Bottom

3/4"

Pitch of stays to ditto: Sides

9 1/2 x 10 1/2"

Back

9 1/2 x 8 1/2"

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

183

Material of stays

slut

Area

Diameter at

smallest part

7-0 1/2"

Area supported by each stay

104

Working pressure by rules

180

End plates in steam space: Material

slut

Thickness

1 9/32"

Area

Diameter at

smallest part

7-0 1/2"

How are stays secured

D. 2 nuts

Working pressure by rules

181

Material of stays

slut

Area supported by each stay

400

Working pressure by rules

184

Material of Front plates at bottom

slut

Thickness

2 9/32"

Material of

back plate

slut

Thickness

5 1/4"

Greatest pitch of stays

13 1/4"

Working pressure of plate by rules

180

Diameter of tubes

3 1/4"

Material of tube plates

slut

Thickness: Front

2 9/32"

Back

1 3/16"

Mean pitch of stays

11 1/8"

Pitch across wide

spaces

14"

Working pressures by rules

180

Girders to Chamber tops: Material

slut

Depth and thickness of

plates at centre

9 x 3/4 x 2

Length as per rule

30 1/2"

Distance apart

11"

Number and pitch of Stays in each

2 at 9 1/2"

Working pressure by rules

180

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

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

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

14/15 attached

The foregoing is a correct description,

for David Rowan & Co. Manufacturer.

Is the approved plan of boiler forwarded herewith

Yes

Total No. of visits

6.

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

This boiler has been

constructed under Special Survey & is of good materials & workmanship.

Survey Fee

...

£ 6 : 7 :

When applied for,

25/5/14

191

Travelling Expenses (if any) £

:

:

When received,

27/5/14

191

Shipping.

Committee's Minute

GLASGOW 26 MAY. 1914

Signed

TRANSMIT TO LONDON

H. Gardner-Smith
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW 6 - JUL. 1914

See minute on G.L. R.H. No. 34190

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Lloyd's Register
Foundation

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