

REPORT BOILERS.

No. 49220

22 MAY 1929

Date of writing Report

19

When handed in at Local Office

15.5

1929

Port of

Received at London Office

Glasgow

No. in Survey held at

Annan.

Date, First Survey

3. 4. 29

Last Survey

10-5-

1929.

Reg. Book.

on the

BOILER No 10911. ✓

RANGITANE

(Number of Visits

6

Tons

Gross 167.33

Net 103.11

Master

Built at

Clydebank

By whom built

John Brown & Co

When built

1929

Boilers made at

Annan.

By whom made

Messrs. Cochran & Co. Annan Ltd.

When made

1929.

Owners

New Zealand Shipping Co

Port belonging to

Plymouth

VERTICAL DONKEY BOILER—

No. One.

Description

Vertical.

Manufacturers of steel

S. Colville Sons Ltd.

Made at

Annan.

By whom made

Cochran & Co. Annan Ltd.

When made

1929.

Working pressure

100.

Tested by hydraulic pressure to

200.

Date of test

10-5-29.

No. of Certificate

18286.

Fire grate area

✓

Description of safety valves

Enclined Spring.

No. of safety valves

2

Area of each

3'4"

Pressure to which they are adjusted

If fitted with easing gear

Yes.

If steam from main boilers can

Enter the donkey boiler

NO

Diameter of donkey boiler

6'-0"

Length

14'-6"

Material of shell plates

Steel

Thickness

7"

32"

7"

Range of tensile strength

28-32.

Description of riveting long. seams

D.R. lap.

Diameter of rivet holes

3/8"

Whether punched or

drilled

Pitch of rivets

2-673, 2-692, 2-7

Lap of plating

3/8"

Per centage of strength of joint

Rules

105.5.

Thickness of shell crown plates

13/32, 1/16"

Radius of do.

3'-0"

No. of stays to do.

✓

Diameter of stays

✓

Diameter of

furnace—Top

✓

Bottom

5'-0"

Pressure of furnace by rules

137.5.

Thickness of Ogee ring

13/16"

Working pressure of Ogee ring by rules

101.2.

Thickness of furnace

crown plates

1/2"

Radius of do.

2'-6"

Stayed by

Hemisphere

Diameter of uptake

13" x 19 1/2"

Thickness of tube plates

9/16"

Mean pitch of stay tubes in nest

11-3/4"

Pitch in outer vertical rows

8"

Diameter of tube holes

FRONT

2 1/2"

BACK

2 1/2"

Working pressure of tube plates by rules

B. 111.5.

Tubes: Material

Wrought iron.

External diameter

stay

2 1/2"

Thickness

stay

11/32"

No. of threads per inch

9.

Pitch of tubes

3 1/2" x 1/4"

Working pressure by rules

125.

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

ring

5" x 13/16"

No. of rivets and diameter of rivet holes

40 off. 25/32"

Outer row pitch at ends

4"

The foregoing is a correct description.

FOR COCHRAN & CO., ANNAN, LIMITED.

Walter Deakin

Manufacturer.

Works Manager

Drawing No.

16347.

Dates

of Survey

while

building

During progress of work in shops—

During erection on board vessel—

Total No. of visits

1929 Apr 3. 15. 19. 26 May 3. 10

6

Is the approved plan of boiler forwarded herewith

Yes.

GENERAL REMARKS

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

This boiler has been built under survey in accordance with the Rules and approved plan. The materials and workmanship are good. This boiler has been built to the order of Messrs. John Brown & Co. Ltd. Clydebank for their No. 522.

Survey Fee

...

£

4 : 4. :

When applied for

19

Travelling Expenses (if any) £

When received

19

MONTHLY ACCOUNT

Committee's Minute

GLASGOW

21 MAY 1929

Assigned

TRANSMIT TO LONDON

John Diller Donald

Engineer Surveyor to Lloyd's Register of Shipping

FRI. 6 DEC 1929

Lloyd's Register of Shipping

W1137

0183