

REPORT ON BOILERS.

No. 49598

Date of writing Report

19

When handed in at Local Office

9. 9.

19 29

Port of Glasgow.

Received at London Office

11 SEP 1929

No. in
Reg. Book.

Survey held at Annan.

Date, First Survey

1. 8. 29

Last Survey

3- 9-

19 29.

on the BOILER No 11243.

(Number of Visits

Gross

Tons

Net

Master

Built at

By whom built

When built

Boilers made at

Annan.

By whom made

Messrs. Cochran & Co. Annan Ltd.

When made 1929.

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No.

One.

Description

Vertical.

Manufacturers of steel D. Colville & Sons. Ltd.

Made at

Annan.

By whom made

Cochran & Co. Annan Ltd.

When made

1929.

Where fixed

Working pressure 80.

tested by hydraulic pressure to

160.

Date of test

3- 9- 29.

No. of Certificate

18416.

Fire grate area

✓

Description of safety valves

Enclosed spring

No. of safety valves

2

Area of each

1.76

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

3' 3"

Length

9' 0"

Material of shell plates

Steel

Thickness

3/8", 3/8", 3/8"

Range of tensile strength

28-32.

Description of riveting long. seams

D.R. lap.

Diameter of rivet holes

2 3/32"

Whether punched or

drilled

drilled

Pitch of rivets

2.22, 2.406, 2.167.

Lap of plating

3 3/4"

Per centage of strength of joint

Rivets

80.

Working pressure of shell by

rules

165.

Thickness of shell crown plates

1 5/32"

Radius of do.

2' 11 3/8"

No. of stays to do.

Diameter of stays

S.R. Lap.

Diameter of

furnace—Top

furnace—Bottom

2' 4"

Bottom

2' 9 1/2"

Length of furnace

2' 11 3/4"

Thickness of furnace side plates

1/16"

Description of joint

E.W.

Working

pressure of furnace by rules

172.

Thickness of Ogee ring

✓

Working pressure of Ogee ring by rules

✓

Thickness of furnace

crown plates

3"

Radius of do.

17 1/2"

Stayed by

plates

7/16"

Thickness of tube plates

front

17 3/32"

back

Mean pitch of stay tubes in nest

8.59"

Pitch in outer vertical rows

8 1/2"

Diameter of tube holes

FRONT

stay

2 1/2"

BACK

stay

2 1/2"

Working pressure of tube plates by rules

B. 186.

Tubes: Material

Wrought iron.

External diameter

stay

2 1/2"

Thickness

stay

11/32"

No. of threads per inch

9.

Working pressure by rules

125.

Manhole compensation: Size of opening in shell plate

14" x 10"

Section of compensating

ring

4 x 2 3/32"

No. of rivets and diameter of rivet holes

32 off. 2 3/32"

Outer row pitch at ends

3 1/16"

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED

J. E. Woodham

Manufacturer.

Dates

During progress of work in shops—

1929 Aug 1-9. 19-28 Sep 3

of Survey

while building

During erection on board vessel—

Total No. of visits

5

Drawing No.

14285.

Copy of.

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 Frederikstad Mek. Verksted.

Frederikstad.

Survey Fee ... £ 4 : 4 :

When applied for

19

Travelling Expenses (if any) £ :

When received

19

MONTHLY ACCOUNT

Committee's Minute GLASGOW

10 SEP 1929

Assigned TRANSMIT TO LONDON

FRI. 26 SEP 1930

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

W194-0069