

REPORT ON BOILERS.

No. 57549

Date of writing Report

6-10-36

When handed in at Local Office

10. 10. 36

Received at London Office

14 OCT 1936

Port of

Glasgow

No. in Survey held at

Annan

Date, First Survey

5. 7. 36

Last Survey

5-10-1936

Reg. Book.

Boiler No. 13357.

(Number of Visits)

13

Gross Tons

Net Tons

Master

Built at

By whom built

When built

Boilers made at

By whom made

When made

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No. 1

Description

Cochran

Manufacturers of steel

Steel Co. 8' Land

Made at

Annan

By whom made

Cochran & Co. Annan

When made

1936

Where fixed

Working pressure

100

tested by hydraulic pressure to

200

Date of test

5-10-36

No. of Certificate

19823

Fire grate area

Description of safety valves

2 of 50 mm dia

No. of safety valves

2

Area of each

3.14

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can enter the donkey boiler

Diameter of donkey boiler

6'-0"

Length

14'-6"

Material of shell plates

8.

Thickness

3/16" 9/16"

Range of tensile strength

48-22

Description of riveting long. seams

A.R.L.

Diameter of rivet holes

25/32"

Whether punched or drilled

drilled

Pitch of rivets

2.63, 2.69"

Lap of plating

3/8"

Per centage of strength of joint

70

Working pressure of shell by rules

107.7

Thickness of shell crown plates

1/16"

Radius of do.

5'-0"

No. of stays to do.

none

Diameter of stays

Diameter of furnace—Top

Bottom

5'-0"

Length of furnace

Thickness of furnace side plates

1/2"

Description of joint

8 less

Working pressure of furnace by rules

137.5

Thickness of Ogee ring

13/16"

Working pressure of Ogee ring by rules

101

Thickness of furnace crown plates

1/2"

Radius of do.

2'-6"

Stayed by

turning down

Diameter of uptake

15" x 18"

Thickness of uptake plates

9/16"

Thickness of tube plates

27/32"

Mean pitch of stay tubes in nest

9.6, 7.87, 7.49"

Pitch in outer vertical rows

5 1/4", 6 1/2"

Diameter of tube holes

FRONT 1 1/2"-2"

BACK 1 1/2"-2"

Working pressure of tube plates by rules

5115.9-105.6

Tubes: Material

8

External diameter

stay 1 1/2"-2"

plain 1 1/2"-2"

Thickness

stay 10 W.C.

plain 10 W.C.

No. of threads per inch

9

Pitch of tubes

2 5/8" x 2 5/8", 3 1/4" x 3"

Working pressure by rules

215

Manhole compensation; Size of opening in shell plate

16" x 12"

Section of compensating ring

6" x 1 5/16"

No. of rivets and diameter of rivet holes

36-27/32"

Outer row pitch at ends

3.63"

For COCHRAN & CO., ANNAN, LIMITED,
The foregoing is a correct description,

T. J. Foster Works Manager

Dates of Survey while building

During progress of work in shops—

1936 July: 2. 16. 30 Aug: 5. 13. 19 28 Sep: 3. 10. 17. 24. 29

During erection on board vessel—

Oct: 5

Total No. of visits

13

Drawing No.

E 34149

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 special survey in accordance with the approved plan and the Society's Rules and requirements the materials and workmanship are good

10/10/36

To the order of Chantiers & Ateliers S. Nazaire, Penhoet.

Survey Fee £ 44 : 4 : 7

When applied for

19

Travelling Expenses (if any) £ : : }

When received

19

MONTHLY ACCOUNT

J. J. Cairns 2019
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 13 OCT 1936
Assigned TRANSMIT TO LONDON

FRI 30 JUL 1937

Lloyd's Register Foundation

W243-0077