

REPORT ON BOILERS.

No. 54288

14 MAR 1934

Date of writing Report

8-3-

1934

When handed in at Local Office

9-3-

1934

Port of

Glasgow

No. in
Reg. Book.

Survey held at

Annan

Date, First Survey

10-11-33

Last Survey

7-2-

1934

on the

Jagersfontein

(Number of Visits 16)

Gross

Tons

Net

Master

Built at

By whom built

When built

Boilers made at

By whom made

When made

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No. 12608

Description

Cochran

Manufacturers of steel

S. C. of S'land

Made at

Annan

By whom made

Cochran & Co. Annan

When made

1934

Where fixed

Working pressure 120

tested by hydraulic pressure to 230

Date of test

7-2-34

No. of Certificate

19343

Fire grate area

Description of safety valves

No. of safety valves

Area of each

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

5'-6"

Length

14'-0"

Material of shell plates

S.

Thickness

15/32" - 17/32"

Range of tensile strength

28-32

Description of riveting long. seams

J.R.L.

Diameter of rivet holes

27/32"

Whether punched or

drilled

Pitch of rivets

2-687, 2-725"

Lap of plating

4 1/4"

Per centage of strength of joint

Rivets

70.5

Working pressure of shell by

rules

130.8

Thickness of shell crown plates

7/16" - 3/4"

Radius of do.

2'-9"

No. of stays to do.

None

Diameter of stays

Diameter of

furnace—Top

Bottom

Length of furnace

2'-6 5/8"

Thickness of furnace side plates

1/2"

Description of joint

None

Working

pressure of furnace by rules

144.8

Thickness of Ogee ring

3/4"

Working pressure of Ogee ring by rules

124.7

Thickness of furnace

crown plates

1/2"

Radius of do.

2'-4 1/2"

Stayed by

Zinnisphure

Diameter of uptake

13" x 19 1/2"

Thickness of uptake

plates

1/2"

Thickness of tube plates

front

27/32"

Mean pitch of stay tubes in nest

10.5"

Pitch in outer vertical rows

8"

Diameter of tube holes

FRONT

stay

2 1/16"

BACK

stay

2 1/2"

Working pressure of tube plates by rules

F124.8 B131.6

Tubes: Material

Iron

External diameter

stay

2 1/2"

Thickness

stay

1 1/32"

No. of threads per inch

9

Pitch of tubes

4" x 3 1/2"

Working pressure by rules

125"

Manhole compensation; Size of opening in shell plate

16" x 12"

Section of compensating

ring

6" x 1 1/16"

No. of rivets and diameter of rivet holes

36 - 27/32"

Outer row pitch at ends

3 5/8"

FOR COCHRAN & CO., ANNAN, LTD

The foregoing is a correct description

E. R. K.

Manufacturer.

Dates

of Survey

while

building

During progress of

work in shops

1933 Nov: 10-17 Dec: 1-8 12-20

During erection on

board vessel

1934 Jan: 8-12 14-20 Feb: 2-8 20-28 Mar: 7

Total No. of visits

16

Drawing No. 19940 A

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

The boiler is to the order of the Nederlandsche Scheeps Tm's Yard No 229.

Survey Fee

...

£ 44 : 44 : 7

When applied for

19

Travelling Expenses (if any)

£

:

When received

19

MONTHLY ACCOUNT

Committee's Minute

GLASGOW 13 MAR 1934

Assigned

TRANSMIT TO LONDON

TUE. 15 JAN. 1935

see machy. 20

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

W182-0011