

REPORT ON BOILERS.

Std. N^o 32174

No. 58528

Received at London Office

JUN 23 1937

Date of writing Report

19

When handed in at Local Office

19. 6. 1937

Port of

Glasgow

No. in
Reg. Book.

Survey held at

Annan

Date, First Survey

28. 1. 37

Last Survey

10-6-

1937

on the

M/V TROMA

(BOILER N^o 13535)

Gross

Net

Master

Built at

Sunderland

By whom built

Wm. Wigham & Sons Ltd

When built

1937

Boilers made at

Annan

By whom made

Cochran & Co Annan Ltd

When made

1937

Owners

~~Stephen Sutton Ltd~~ *Ap. J. Ludwig Mowbricks Rederi*

Port belonging to

Bergen

VERTICAL DONKEY BOILER—

No. one

Description

Cochran

Manufacturers of steel

Bohills Ltd

Made at

Annan

By whom made

Cochran & Co Annan Ltd

When made

1937

Where fixed

recess.

Working pressure 120

tested by hydraulic pressure to

230

Date of test

10-6-37

No. of Certificate

19968

Fire grate area

Description of safety valves

Enclosed spring

No. of safety valves

2

Area of each

7.06

Pressure to which they are adjusted

20 lbs.

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler

8'-0"

Length

17'-3"

Material of shell plates

steel

Thickness

21" / 32" / 13" / 16"

Range of tensile strength

28-32

Description of riveting long. seams

D.R. lap

Diameter of rivet holes

1 1/2"

Whether punched or

drilled

drilled

Pitch of rivets

3" 3.154"

Lap of plating

5

Per centage of strength of joint

66.2

Working pressure of shell by

rules

125.4

Thickness of shell crown plates

1 1/2" / 32"

Radius of do.

4'-0"

No. of stays to do.

none

Diameter of stays

furnace—Top

Bottom

7'-0"

Length of furnace

Thickness of furnace side plates

23" / 32"

Description of joint

welded

Working

pressure of furnace by rules

144

Thickness of Ogee ring

1 1/2"

Working pressure of Ogee ring by rules

124.4

Thickness of furnace

crown plates

23" / 32"

Radius of do.

3'-6"

Stayed by

hemisphere

Diameter of uptake

21 1/2" x 25"

Thickness of uptake

plates

9" / 16"

Thickness of tube plates

front

1 1/4"

Mean pitch of stay tubes in nest

9.48 7.97 8

Diameter of tube holes

FRONT

stay

2 3/8" x 1 1/4"

BACK

stay

2 3/8" x 1 1/4"

Working pressure of tube plates by rules

F122 B196

Tubes: Material

steel

126-161

External diameter

stay

2 1/2" x 1 1/2"

Thickness

stay

1 1/2"

No. of threads per inch

9

Pitch of tubes

3.187 x 3.13

2 7/8 x 2 7/8

Working pressure by rules

215. 165. 146

Manhole compensation; Size of opening in shell plate

16" x 12"

Section of compensating

ring

28" dia x 31" / 32"

No. of rivets and diameter of rivet holes

36 @ 1 1/2"

Outer row pitch at ends

3.89"

FOR COCHRAN & CO. ANNAN, LTD.

The foregoing is a correct description;

10-05

E. Rex,

Manufacturer.

WORKS MANAGER.

Diameter of tube holes

FRONT

stay

2 3/8" x 1 1/4"

BACK

stay

2 3/8" x 1 1/4"

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