

JUL 27 1939

REPORT ON BOILERS.

No. 60853

Received at London Office

MAR 22 1939

Date of writing Report

19

When handed in at Local Office

20:3:39

Port of

Glasgow

No. in Survey held at

Annan

Date, First Survey

13:12:38

Last Survey

9-3-

1939

Reg. Book.

on the

screw motor tanker

"MILDRED"

(Number of Visits

12

Gross

Tons

Net

Master

Built at

Alblasserdam

By whom built

N.V. Industriële Maats. De Noord

When built

1939

Boilers made at

Annan

By whom made

Cochran & Co Annan Ltd (No. 14363)

When made

1939

Owners

N.V. Tank Rustvaart Mij.

Port belonging to

Rotterdam

VERTICAL DONKEY BOILER

No One

Description

Cochran

Manufacturers of steel

Cochran Ltd

Made at

Annan

By whom made

Cochran & Co Annan Ltd

When made

1939

Where fixed

Working pressure

145

Tested by hydraulic pressure to

268

Date of test

9-3-39

No. of Certificate

20358

Fire grate area

sq ft

Description of safety valves

enclosed spring

No. of safety valves

2

Area of each

4.9

Pressure to which they are adjusted

145

If fitted with easing gear

yes

If steam from main boilers can

Enter the donkey boiler

✓

Diameter of donkey boiler

7'-0"

Length

15'-0"

Material of shell plates

S

Thickness

13"

29"

✓

Range of tensile strength

28-32

Description of riveting long. seams

DR Lap

✓

Diameter of rivet holes

1 3/16"

Whether punched or

Drilled

✓

Pitch of rivets

3-25"

3-28"

3-20"

Lap of plating

5 3/4"

Per centage of strength of joint

65%

Working pressure of shell by

Rules

63

✓

Rules

173

Thickness of shell crown plates

3/4"

1 1/16"

Radius of do.

3'-6"

No. of stays to do.

✓

Diameter of stays

✓

Diameter of

Furnace—Top

Bottom

6'-0"

Length of furnace

✓

Thickness of furnace side plates

23"

32"

Description of joint

Seamless

Working

pressure of furnace by rules

168

Thickness of Ogee ring

1 1/16"

Working pressure of Ogee ring by rules

151

Pressure of furnace by rules

168

Thickness of Ogee ring

1 1/16"

Working pressure of Ogee ring by rules

151

Thickness of furnace

✓

plates

23"

Radius of do.

3'-0"

Stayed by

hemisphere

Diameter of uptake

15" x 23"

11.-29.1

own plates

23"

32"

Radius of do.

3'-0"

Stayed by

hemisphere

Diameter of uptake

15" x 23"

Thickness of uptake

✓

plates

9"

Thickness of tube plates

front 1 3/16"

back 1 5/16"

Mean pitch of stay tubes in nest

10-77"

2.38

ates

9"

Thickness of tube plates

front 1 3/16"

back 1 5/16"

Mean pitch of stay tubes in nest

10-77"

Pitch in outer vertical rows

8"

✓

diameter of tube holes

FRONT

2 1/16"

BACK

2 1/16"

Working pressure of tube plates by rules

F154 B171

Tubes: Material

Steel

✓

3.10

external diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 1 3/32"

plain 1 1/16"

No. of threads per inch

9

Pitch of tubes

3 3/4 x 4"

✓

Working pressure by rules

175

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

✓

2'-5" dia x 19 1/16"

28.11.38

test bed

No. of rivets and diameter of rivet holes

36 @ 1 3/16"

Outer row pitch at ends

3.97"

✓

FOR COCHRAN & CO. ANNAN LTD.

The foregoing is a correct description,

✓

Signature

WORKS MANAGER.

Signature

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