

REPORT ON BOILERS.

No. 47822

Date of writing Report

19

When handed in at Local Office

6-4-28

Received at London Office

12 APR 1928

Port of

Glasgow

No. in Survey held at

Annan

Date, First Survey

20th March 1928

Last Survey

3rd April 1928

Reg. Book

81823

BOILER No 10700

M. S. Puccini

(Number of Visits)

2

Gross

2422

Net

1419

Master

Built at

Monfalcone

By whom built

Cant. Navale Triestino

When built

1928

Boilers made at

Annan

By whom made

Messrs Cochran & Co Annan Ltd

When made

1928

Owners

Adria S. A. di Nav. Marittima

Port belonging to

Fiume

VERTICAL DONKEY BOILER—

No. Line

Description

Vertical

Manufacturers of steel

Stewart & Lloyd Ltd

Made at

Annan

By whom made

Cochran & Co Annan Ltd

When made

1928

Where fixed

in C. P. E.

Working pressure 100 lb.

tested by hydraulic pressure to 200

Date of test

3/4/28

No. of Certificate

17848

Fire grate area

5.75

Description of safety valves

No. of safety valves

2

Area of each

1.76

Pressure to which they are adjusted

100 lb.

If fitted with easing gear

yes

If steam from main boilers can enter the donkey boiler

Diameter of donkey boiler

3'-3"

Length

9'-0"

Material of shell plates

Steel

Thickness

3/8"

Range of tensile strength

28 1/2 to 32

Description of riveting long. seams

S. R. Lap.

Diameter of rivet holes

23/32"

Whether punched or drilled

drilled

Pitch of rivets

2 1/6", 2 1/4", 2 1/2"

Lap of plating

3 3/4"

Per centage of strength of joint

Rivets

80%

Working pressure of shell by rules

165 lb.

Thickness of shell crown plates

15/32"

Radius of do.

2'-11 1/8"

No. of stays to do.

Diameter of stays

Diameter of

furnace—Top

2'-7"

Bottom

2'-9"

Length of furnace

1'-5 1/2"

Thickness of furnace side plates

7/16"

Description of joint

S. R. Lap

Working pressure of furnace by rules

172.0

Thickness of Ogee ring

Working pressure of Ogee ring by rules

Working

pressure of furnace

crown plates

1/2"

Radius of do.

17 1/2"

Stayed by

Radius

Diameter of uptake

7 1/2" x 11 1/2"

Thickness of uptake

plates

7/16"

Thickness of tube plates

front 1/2"

back 1/2"

Mean pitch of stay tubes in nest

8 5/8"

Pitch in outer vertical rows

8 1/2"

Diameter of tube holes

FRONT

stay 2 1/16"

plain 2 9/16"

BACK

stay 2 1/2"

plain 2 1/2"

Working pressure of tube plates by rules

135 lb.

Tubes: Material

What iron

External diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 11/32"

plain 11/16"

No. of threads per inch

9

Pitch of tubes

4 1/4" x 3 13/16"

Working pressure by rules

125 lb.

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, 23/32"

Outer row pitch at ends

3 1/2"

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

J. C. Northam

Manufacturer.

Dates

During progress of work in shops

March (1928), 30 April, 2.

of Survey

while building

During erection on board vessel

Aug 9, 20, 1928

Total No. of visits

2 (Glasgow)

2 (Trieste)

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

materials and workmanship good

This boiler is to the order of Fiat Stabilimento Grandi Motori and intended for.

The Adria Steamship Co. of Fiume. For classification with the R.I.

This Donkey Boiler (No 10700) has been fitted on board the M. S. Puccini and recently fastened. It has been fitted for burning oil fuel and examined under working condition and found in order. The safety valves were adjusted under steam as above

J. Puccini

Survey Fee

...

£ 4 : 4 :

When applied for

19

Travelling Expenses (if any)

£ :

When received

19

MONTHLY ACCOUNT

John J. Thomas

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 11 APR 1928

Assigned

TRANSMIT TO LONDON

18 SEP 1928

See Mr. G. H. H. H. H.

Lloyd's Register Foundation

008296-008304-0044