

21 NOV 1927

REPORT ON BOILERS.

No. 45527

Date of writing Report

10

When handed in at Local Office

29.3.

1076 Port of

Received at London Office

GLASGOW

No. in Survey held at

Annan

Date, First Survey

19.2.26

Last Survey

26.3.26

Reg. Book.

42717 on the COCHRAN BOILER N° 9730

M.V. SUMATRA

(Number of Visits)

5

Gross 6128

Net 3801

Master

Built at

By whom built

When built

Boilers made at

Annan

By whom made

Cochran & Co. Annan Ltd

When made

1926.

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No.

Description

Cochran Type

Manufacturers of steel

D. Brown & Co.

Made at

Annan

By whom made

Cochran & Co. Annan Ltd

When made

1926

Where fixed

Engine room

Working pressure

100 lbs.

tested by hydraulic pressure to

270 lbs.

Date of test

26/3/26

No. of Certificate

7078

Fire grate area

478 sq ft

Description of safety valves

Spring loaded

No. of safety valves

2

Area of each

1660 sq in

Pressure to which they are adjusted

100 lbs

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

Dia. of donkey boiler

3'0"

Length

8'3"

Material of shell plates

Steel

Thickness

3/8"

Range of tensile

2.266

strength

28/32

Descrip. of riveting long. seams

D.R. Lap.

Dia. of rivet holes

23/32"

Whether punched or drilled

drilled

Pitch of rivets

2.344"

Lap of plating

3 3/4"

Per centage of strength of joint

Rivets 75.8

Plates 68.1

Working pressure of shell by rules

182.8 lbs

Thickness of shell crown plates

5/32"

Radius of do.

3'0"

No. of Stays to do.

None

Dia. of stays

1/2"

Diameter of furnace Top

29"

Bottom

2'6 1/2"

Length of furnace

2'6 1/6"

Thickness of furnace plates

1/2"

Description of joint

Circum

S. rivet

Working pressure of furnace by rules

236.8 lbs

Thickness of furnace crown

plates

1/2"

plates

1/2"

Radius of do.

14 1/2"

Stayed by

Hemisphere

Diameter of uptake

8" x 9 3/4"

Thickness of uptake plates

7/16"

Thickness of water tubes

Front 1/2"

Back 1/2"

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

Dates

During progress of

work in shops - -

1926 Feb 19 Mar 5.12.1926

of Survey

During erection on

board vessel - -

while

building

Total No. of visits

5

Is the approved plan of boiler forwarded herewith

copy 7

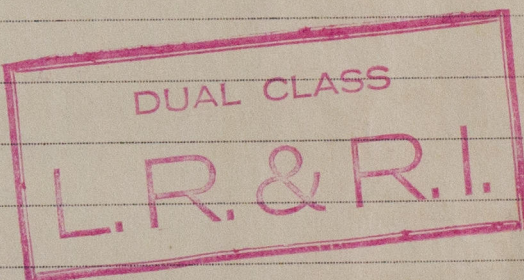
Yes in duplicate

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built under Survey in accordance with the rules. The materials and workmanship are good.

It is intended for motor vessel 2° 753.

This boiler has been fitted on board the motor vessel "SUMATRA", in accordance with the requirements of the Rules. It has been examined under steam, found in order, and its safety valves adjusted under steam to lift at 100 lbs/100.



Survey Fee

...

£ 2 : 15 : 1

When applied for,

19

Travelling Expenses (if any) £

:

When received,

19

Committee's Minute

GLASGOW 30 MAR 1926

Assigned

TRANSMIT TO LONDON

FRI. 25 NOV 1927

A. Campbell
 J. Lockrey
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Lloyd's Register
 Foundation

M1060-02566