

REPORT ON BOILERS.

Std. No. 29703

Pl. No. 47443

19 APR 1928

Date of writing Report

10

When handed in at Local Office

26-12-

27

Port of

Received at London Office

Glasgow.

No. in Survey held at

Annan.

Date, First Survey

21-10-27

Last Survey

23-12-1927

Reg. Book

H1027

on the

BOILER No 10691 ✓ M.V. GLENMOOR

(Number of Visits

11)

Gross 4593

Tons

Net 2649

Master

Built at

Sunderland

By whom built

William Duffield & Sons Ltd.

When built

1928

Boiler made at

Annan

By whom made

Messrs Cochran & Co Annan Ltd

When made

1927

Owners

The Mon Line Ltd.

Port belonging to

London.

VERTICAL DONKEY BOILER—

No. ONE

Description

VERTICAL

Manufacturers of steel

D. G. Whittle & Sons Ltd.

Made at

Annan

By whom made

Cochran & Co Annan Ltd

When made

1927

Where fixed

Recess in engine room

Working pressure 120 lbs

tested by hydraulic pressure to

230 lbs

Date of test

23/2/27

No. of Certificate

17717

Fire grate area

41 sq

Description of safety valves

Spring loaded

No. of safety valves

Two

Area of each

7.06 sq

Pressure to which they are adjusted

125

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

no main boiler

Diameter of donkey boiler

8'-6"

Length

19'-3"

Material of shell plates

Steel

Thickness

3/32", 3/8", 23/32" ✓

Range of tensile strength

28/32 Lbs

Description of riveting long. seams

S.R. Lap

Diameter of rivet holes

1 1/8" ✓

Whether punched or

drilled

Drilled

Pitch of rivets

3.466, 3.294, 3.24"

Lap of plating

5 3/8"

Per centage of strength of joint

Rivets 66.5

Plates 65.3

Working pressure of shell by

rules

129.9 lbs

Thickness of shell crown plates

3/32", 1/8"

Radius of do.

4'-3"

No. of stays to do.

—

Diameter of stays

Diameter of

furnace—Top

Hemispherical

Bottom

7'-6"

Length of furnace

4'-5"

Thickness of furnace side plates

3/4"

Description of joint

Seamless

Working

pressure

pressure of furnace by rules

140 lbs

Thickness of Ogee ring

1 1/8"

Working pressure of Ogee ring by rules

131.8 lbs

Thickness of furnace

crown plates

3/4"

Radius of do.

3'-9"

crown plates

3/4"

Radius of do.

3'-9"

Stayed by

Hemispherical

Diameter of uptake

18" x 28 1/2"

Thickness of uptake

plates

9/16"

Thickness of tube plates

front 1 1/8"

Diameter of tube holes

FRONT

stay 2 1/8"

back 2 1/8"

Working pressure of tube plates by rules

FRONT 127.1 lbs

BACK 131 lbs

Tubes: Material

Wrought Iron

Pitch of tubes

4 3/8" x 3 9/16"

External diameter

stay 2 1/8"

plain 2 1/8"

External diameter

stay 2 1/8"

plain 2 1/8"

Thickness

stay 1 1/8"

plain 1 1/8"

No. of threads per inch

9

Pitch of tubes

4 3/8" x 3 9/16"

Working pressure by rules

125 lbs

Manhole compensation: Size of opening in shell plate

16" x 12"

Working pressure by rules

125 lbs

Manhole compensation: Size of opening in shell plate

16" x 12"

Section of compensating

ring

12" x 1 3/4"

No. of rivets and diameter of rivet holes

36 @ 1 1/2"

Outer row pitch at ends

4"

The foregoing is a correct description.

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED

Manufacturer.

J. C. Woodham

Drawing No.

16044

Dates

of Survey

while

building

During progress of

work in shops—

During erection on

board vessel—

Total No. of visits

11

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 & workmanship good.

This boiler is to the order of Messrs Wm. Duffield & Sons Ltd of Sunderland,

intended for their ship No. 591. In classification.

This boiler has been satisfactorily fitted on board & the safety valves admitted under steam.

For notation see machinery report.

Survey Fee

...

£

4

4

4

When applied for

19

Travelling Expenses (if any) £

When received

19

Committee's Minute

GLASGOW 28 DEC 1927

FRI. 27 APR. 1928

Assigned

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

W1129-0239

Lloyd's Register Foundation