

Rpt. 5e.

REPORT ON BOILERS.

No. 48364

Received at London Office 12 SEP 1928

Date of writing Report

19

When handed in at Local Office

6.9.1928

Port of Glasgow

No. in Survey held at

Annan

Date, First Survey

6.7.28

Last Survey

31st August 1928

Reg. Book.

on the

BOILER No. 10741

STAFFORDSHIRE

(Number of Visits

7

Gross 10655

Net

Master

Built at

Glasgow

By whom built

Fairfield

S. B. & E. Co.

When built 1929

Boilers made at

Annan

By whom made

Messrs Cochran & Co. Annan Ltd.

When made 1928

Owners

Bibby S. S. Co. Ltd.

Port belonging to

London

VERTICAL DONKEY BOILER—

No.

One Description Vertical

Manufacturers of steel

J. Colville & Sons

Made at

Annan

By whom made Cochran & Co. Annan

When made 1928

Where fixed

Working pressure 120 lb.

tested by hydraulic pressure to 230 lb.

Date of test 31-8-28

No. of Certificate 18024

Fire grate area 18.75

Description of safety valves

Enclosed Spring

No. of safety valves

2

Area of each 3/4"

Pressure to which they are adjusted

If fitted with easing gear

Yes

If steam from main boilers can

enter the donkey boiler

No

Diameter of donkey boiler

6'-0"

Length 14'-3"

Material of shell plates

Steel

Thickness

17/32", 19/32", 17/32"

Range of tensile strength 28-32

Description of riveting long. seams

D. R. Lap

Diameter of rivet holes

29/32"

Whether punched or

drilled

drilled

Pitch of rivets

2.8125", 2.857", 2.739"

Lap of plating

4 1/2"

Per centage of strength of joint

Rivets 71%

Working pressure of shell by

rules 134.6 lb.

Thickness of shell crown plates

29/32", 15/32"

Radius of do. 3'-0"

No. of stays to do.

✓

Diameter of stays

✓

Diameter of

furnace—Top

✓

Bottom 5'-0"

Length of furnace

3'-4 1/16"

Thickness of furnace side plates

✓

Description of joint

✓

Working

pressure of furnace by rules 146.9 lb.

Thickness of Ogee ring

29/32"

Working pressure of Ogee ring by rules 127 lb.

Thickness of furnace

crown plates 17/32"

Radius of do. 2'-6"

Stayed by Hemisphere

Diameter of uptake 13" x 19 1/2"

plates 9/16"

Thickness of tube plates

front 29/32"

back 25/32"

Mean pitch of stay tubes in nest 11.34"

Pitch in outer vertical rows 8"

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

F. 123 lb.

External diameter

stay 2 1/2"

Thickness

stay 11/32"

plain 11/32"

No. of threads per inch

9"

Pitch of tubes

39/16" x 4"

Working pressure by rules 125 lb.

Manhole compensation; Size of opening in shell plate

16" x 12"

Section of compensating

ring 6" x 3/4"

No. of rivets and diameter of rivet holes

36 29/32"

Outer row pitch at ends

3 5/8"

The foregoing is a correct description,

J. E. Woodham

Manufacturer.

Dates

During progress of

work in shops—

1928 July 6, 13, 27 Aug 7, 14, 21, 31

of Survey

During erection on

board vessel—

7

while

building

Total No. of visits

7

Drawing No. 16388

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.

The materials and workmanship are good.

This boiler is intended for Messrs Fairfield, S. & E. Co. Ltd. Govan No. 630.

Survey Fee ... £ 4-4-0

When applied for

19

Travelling Expenses (if any) £

When received

19

MONTHLY ACCOUNT

J. E. Woodham

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 11 SEP 1928

Assigned

TRANSMIT TO LONDON

© 2020

Lloyd's Register
Foundation

8100-61500-149-0078