

REPORT ON BOILERS.

No. 59701

Received at London Office

MAY -5 1938

Date of writing Report

19

When handed in at Local Office

2.5.38

Port of

Glasgow

No. in Survey held at
Reg. Book.

Annan

Date, First Survey

16.9.37

Last Survey

20.4.1938

(Number of Visits

4)

Gross

Tons

Net

Master

Built at

Sorel Quebec

By whom built

Inaine Industries Ltd

When built

1938

Boilers made at

Annan

By whom made

Buchanan & Co. Annan Ltd (N° 13708)

When made

1938

Owners

Imperial Oil Tankers Ltd

Port belonging to

VERTICAL DONKEY BOILER—

No. one

Description

Buchanan

Manufacturers of steel

Steel 60 of Scotland

Made at

By whom made

When made

Where fixed

Working pressure 100 lb

tested by hydraulic pressure to

200

Date of test

20.4.38

No. of Certificate

20170

Fire grate area

22.50'

Description of safety valves

Enclosed spring

No. of safety valves

2

Area of each

4.90'

Pressure to which they are adjusted

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler

6'-6"

Length

15'-9"

Material of shell plates

steel

Thickness

15"

19"

Range of tensile strength

28.32 k

Description of riveting long seams

DR lap

Diameter of rivet holes

31"

Whether punched or

drilled

Pitch of rivets

2.66"

2.11"

2.13"

Lap of plating

4 1/4"

Per centage of strength of joint

Rivets

69.7

Working pressure of shell by

rules

110

Thickness of shell crown plates

31"

13"

Radius of do.

3'-3"

No. of stays to do.

-

Diameter of stays

-

Diameter of

furnace—Top

Bottom

5'-6"

Length of furnace

Thickness of furnace side plates

3"

Description of joint

beams

Working

pressure of furnace by rules

125

Thickness of Ogee ring

21"

32"

Working pressure of Ogee ring by rules

101

Thickness of furnace

crown plates

1/2"

Radius of do.

3'-9"

Stayed by

hemisphere

Diameter of uptake

15" x 23"

Thickness of uptake

plates

plates

9 1/16"

Thickness of tube plates

front 13/16"

back 23/32"

Mean pitch of stay tubes in nest

13.01"

Pitch in outer vertical rows

8.88"

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

F120 B126

Tubes: Material

Iron

External diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 1 1/2"

plain 1 1/2"

No. of threads per inch

9

Pitch of tubes

3 3/16" x 4 7/16" full

Working pressure by rules

125

Manhole compensation; Size of opening in shell plate

16" x 12"

Section of compensating

ring

2'-4" dia x 1 1/8"

No. of rivets and diameter of rivet holes

36 @ 31/32"

Outer row pitch at ends

3.969"

The foregoing is a correct description, W. J. F.

T. Foster

Manufacturer.

Dates

of Survey

while

building

During progress of work in shops—

1937 Sep. 16 (1938) Apr. 8. 14. 20

During erection on board vessel—

Total No. of visits

4

Drawing No.

23670

Is the approved plan of boiler forwarded herewith

yes

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

The materials and workmanship are good

The boiler has been constructed under special survey. It will be sent to Canada to be fitted in the vessel

J. F.
6/5/38

Survey Fee

...

£ 4 : 4 : }

When applied for

19

Travelling Expenses (if any)

£

: : }

When received

19

MONTHLY ACCOUNT

FRI 5 FEB 1938

Engineer to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 4-MAY 1938

Assigned

TRANSMIT TO LONDON

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Lloyd's Register
Foundation

610596110-1765-0193