

REPORT ON BOILERS.

Std. No. 33219

No. 62335

MAY 15 1940

Received at London Office

of writing Report

19

When handed in at Local Office

13.5.40

Port of Glasgow

No. in Survey held at

Amman

Date, First Survey

1940 Feb 9th

Last Survey

9-5

1940

Log. Book.

on the

M.V. ST. ESSYLT

(Number of Visits

11)

Gross 5634

Tons

Net 3308

aster

Built at Sunderland

By whom built

G. I. Thompson & Son Ltd (N° 600)

When built

1940

Boilers made at

Amman

By whom made

Boehman & Co Amman Ltd (N° 14744)

When made

1940

eners

South America Fruit Line

Port belonging to

Hamport

VERTICAL DONKEY BOILER

No. one

Description

Boehman

Manufacturers of steel

Steel Co. of Scotland Ltd

made at

as above

By whom made

When made

Where fixed

Main Eng. Rm. Working pressure 105 lbs

tested by hydraulic pressure

208

Date of test

9-5-40

No. of Certificate

20565

Fire grate area

16.75 sq ft

Description of safety valves

Enclaved spring

No. of safety valves

2

Area of each

3.14 sq in

Pressure to which they are adjusted

105 lbs

Adjusted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

Diameter of donkey boiler

5'-6"

Length

14'-0"

Material of shell plates

steel

Thickness

7/16", 1/2"

Range of tensile strength

28-32 tons

Description of riveting long. seams

UR Lap

Diameter of rivet holes

25/32"

Whether punched or

drilled

Pitch of rivet

2.69", 2.55", 2.5"

Lap of plating

3 1/2"

Per centage of strength of joint

66.7

Working pressure of shell by

Plates 66.7

plates

117

Thickness of shell crown plates

13/32", 13/32"

Radius of do.

2'-9"

No. of stays to do.

Diameter of stays

Diameter of

urnace—Top

Bottom

4'-9"

Length of furnace

Thickness of furnace side plates

1/2"

Description of joint

Seamless

Working

pressure of furnace by rules

144

Thickness of Ogee ring

23/32"

Working pressure of Ogee ring by rules

114

Thickness of furnace

rown plates

1/2"

Radius of do.

2'-4 1/2"

Stayed by hemisphere

Diameter of uptake

13 x 19 1/2"

Thickness of uptake

plates

9/16"

Thickness of tube plates

front 3/4", back 19/32"

Mean pitch of stay tubes in nest

10-5"

Pitch in outer vertical rows

8"

diameter of tube holes

FRONT

stay 2 1/8"

BACK

stay 2 1/2"

plain 2 1/2"

Working pressure of tube plates by rules

Flow. Bill

Tubes: Material

steel

external diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 1 1/32"

plain 10/16"

No. of threads per inch

9

Pitch of tubes

4 x 3 1/2"

Working pressure by rules

175

Manhole compensation: Size of opening in shell plate

21 x 17"

Section of compensating

7" x 1"

No. of rivets and diameter of rivet holes

40 @ 25/32"

Outer row pitch at ends

4"

The foregoing is a correct description,

Signature

Manufacturer.

Drawing No.

25171

Dates

(During progress of work in shops - -

1940 Feb 9th, 20, 28 Mar. 14, 29

Survey

(During erection on board vessel - -

Apr. 4, 11, 18, 25 May 2, 9

while

(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.)

The materials and workmanship are good.

The boiler has been constructed under Special Survey.

To the order of Messrs Richardson Westgarth & Co Ltd (N° H 2695)

The boiler will be sent to Sunderland to be fitted in the vessel

This boiler has been efficiently fitted on board and its safety valves have been adjusted under steam. R. Horne

Survey Fee ... £ 4 : 4 :

When applied for

19

Travelling Expenses (if any) £ :

When received

19

MONTHLY ACCOUNT

Committee's Minute

GLASGOW

14 MAY 1940

Assigned

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

Signature

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Lloyd's Register Foundation

W216-0103