

REPORT ON BOILERS.

No. 28223

Date of writing Report

19

When handed in at Local Office

3rd Dec 1921 Port of

Received at London Office

SUNDERLAND.

TUE. 13 DEC. 1921

No. in Survey held at
Reg. Book.

SUNDERLAND.

Date, First Survey

Last Survey

Dec

1921

on the

S/S "BRITISH CHANCELLOR"

(Number of Visits)

Gross

708 1/2

Net

422 1/2

When built 1921

When made 1921

When made 1921

Port belonging to London

Master

Built at Sunderland

By whom built Sir Jas Loring Smith & Co. Ltd.

Engines made at

Sunderland

By whom made Messrs G. Clark & Co. Ltd. (1923)

Boilers made at

Sunderland

By whom made Messrs G. Clark & Co. Ltd. (1923 1/2)

Registered Horse Power

Owners British Tanker Co. Ltd.

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.

Manufacturers of Steel Spencer & Sons

Letter for record

S

Total Heating Surface of Boilers 1798 1/2

Is forced draft fitted

No

No. and Description of

Boilers One single ended

Working Pressure 120 lbs

Tested by hydraulic pressure to 240 lbs

Date of test 29.7.21

No. of Certificate

3771

Can each boiler be worked separately

Area of fire grate in each boiler

oil only

No. and Description of

Safety valves to each boiler

2 Spring valves

Area of each valve 4.43 1/2

Pressure to which they are adjusted 125 lbs

Are they fitted with easing gear

Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

No

Smallest distance between boilers or uptakes and bunkers or woodwork

No bunkers in way boiler

Ex

dia. of boilers 10' 0"

Length 10' 0"

Material of shell plates

S

Thickness 7/16

Range of tensile strength 28-32

Are the shell plates welded or flanged

No

Descrip. of riveting: cir. seams

Lap 1/2"

Long. seams

d. 1/2" d. 1/2" riv.

Diameter of rivet holes in long. seams 15/16

Pitch of rivets 3 1/2"

Width of butt straps

9 1/2"

Per centages of strength of longitudinal joint

rivets 77

Working pressure of shell by

Size of manhole in shell

12 x 16

Size of compensating ring 8 1/2 x 7 1/8

No. and Description of Furnaces in each

No. of longitudinal joint

welded

No. of strengthening rings

Working pressure of furnace by the rules

136

Material

S

Thickness: Sides

5/8

Back

5/8

Top

5/8

Bottom

5/8

Pitch of stays to ditto: Sides 9 x 10 3/4

Back 9 1/2 x 8 1/2

If stays are fitted with nuts or riveted heads

nuts

Working pressure by rules

124

Material of stays

S

Area at

Smallest part

1.44"

Area supported by each stay

80.75"

Working pressure by rules

142

End plates in steam space: Material

S

Thickness 1 1/2"

How are stays secured

d. 1/2" riv.

Working pressure by rules

122

Material of stays

S

Area at smallest part

4.43"

Area supported by each stay

361"

Working pressure by rules

127

Material of Front plates at bottom

S

Thickness 1 1/2"

Material of

S

Over back plate

S

Thickness 1 1/2"

Greatest pitch of stays

14 1/2"

Working pressure of plate by rules

260

Diameter of tubes

3

Pitch of tubes

4 1/2" + 4 1/2"

Material of tube plates

S

Thickness: Front

1 1/2"

Back

1 1/2"

Mean pitch of stays

12 3/4" x 8 1/4"

Pitch across wide

Number of spaces

14

Working pressures by rules

206

Girders to Chamber tops: Material

S

Depth and thickness of

Girders at centre

6 x 1 1/2"

Length as per rule

25 1/2"

Distance apart

10 3/4"

Number and pitch of Stays in each

2. 9"

Working pressure by rules

125

Steam dome: description of joint to shell

Thickness of shell plates

S

Material

S

Description of longitudinal joint

S

Diam. of rivet holes

S

Thickness of shell plates

S

Material

S

Description of longitudinal joint

S

Diam. of rivet holes

S

Working pressure of shell by rules

S

Crown plates

S

Thickness

S

How stayed

S

Type

S

Date of Approval of Plan

S

Tested by Hydraulic Pressure to

S

Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

S

Pressure to which each is adjusted

S

Is Easing Gear fitted

S

Is Easing Gear fitted

S

The foregoing is a correct description,

S

FOR GEORGE CLARK LIMITED

S

Manufacturer.

S

Is the approved plan of boiler forwarded herewith

S

Total No. of visits

S

During progress of work in shops - - -

S

During erection on board vessel - - -

S

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

S

The donkey boiler for this vessel has been built under special survey, the

S

materials and workmanship are sound and good and the boiler has been

S

fitted and fixed on board in a satisfactory manner.

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Survey Fee ...

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When applied for, 1st Dec 1921

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When received, 16.12.1921

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Committee's Minute

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Engineer Surveyor to Lloyd's Register of Shipping.

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FRI 16 DEC. 1921

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© 2021

S

Lloyd's Register

S

Foundation

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003065-003074-0213

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