

REPORT ON BOILERS.

No. 15638.

Port of *Greenock*.

Received at London Office

FRI. 6 AUG 1909

Survey held at *Greenock*.

Date, first Survey

18th May 1909.

Last Survey

23rd July 1909.

(Number of Visits 10.)

on the *Lloyd Austriaco S.S. N^o 119.*

Tons
 Gross
 Net

Built at *Treviso*

By whom built

Lloyd Austriaco

When built

Made at

By whom made

When made

Made at

Greenock

By whom made

Caird & Co. Ltd.

When made

1909.

Horse Power

Owners

Port belonging to

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *S. Colville & Sons*

or record *S.*

Total Heating Surface of Boilers

5379 sq. ft.

Is forced draft fitted

Yes.

No. and Description of

2: Cylindrical tubes: Single end

Working Pressure

200 lbs.

Tested by hydraulic pressure to

Date of test

Certificate

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of

boilers to each boiler

Area of each valve

Pressure to which they are adjusted

fitted with easing gear

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

distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

15' 9"

Length

11' 9" (inside)

of shell plates

Steel

Thickness

1 3/8"

Range of tensile strength

29 to 33 tons

Are the shell plates welded or flanged

No.

of riveting: cir. seams

Lap: Double butt

long. seams

Double butt straps

Diameter of rivet holes in long. seams

1 1/16"

Pitch of rivets

9 1/2" 4 3/4"

plates or width of butt straps

21 3/8"

Per centages of strength of longitudinal joint

92.4

Working pressure of shell by

206 lbs.

Size of manhole in shell

16" x 12"

Size of compensating ring

8" x 1 1/2"

No. and Description of Furnaces in each

3: Neightons Material Steel

Outside diameter

50 1/4"

Length of plain part

8' 6 1/2"

Thickness of plates

5"

tion of longitudinal joint

Weld.

No. of strengthening rings

None

Working pressure of furnace by the rules

200 lbs.

Material

Steel

Thickness: Sides

3/2"

Back

3/2"

Top

3/2"

Bottom

1 1/8"

Pitch of stays to ditto: Sides

9" x 8"

Back

9" x 9"

If stays are fitted with nuts or riveted heads

Auto.

Working pressure by rules

200 lbs.

Material of stays

Steel

Diameter at

part

1 5/8"

Area supported by each stay

43 sq. in.

Working pressure by rules

226 lbs.

End plates in steam space: Material

Steel

of stays

22 1/2" x 22"

How are stays secured

Double nut & washer.

Working pressure by rules

218 lbs.

Material of stays

Steel

Diameter at smallest part

3 1/2" full.

supported by each stay

487 sq. in.

Working pressure by rules

209 lbs.

Material of Front plates at bottom

Steel

Thickness

1"

Material of

back plate

Steel

back plate

Steel

Thickness

1"

Greatest pitch of stays

14"

Working pressure of plate by rules

260 lbs.

Diameter of tubes

2 1/2"

of tubes

3 1/2" x 3 1/4"

Material of tube plates

Steel

Thickness: Front

1 1/2" x 1"

Back

3/4"

Mean pitch of stays

8 1/4"

Pitch across wide

spaces

13 1/2"

Working pressures by rules

226 lbs.

Girders to Chamber tops: Material

Steel

Depth and thickness of

at centre

10" x 1 1/2"

Length as per rule

31.8"

Distance apart

4 1/2"

Number and pitch of Stays in each

2: 9"

ing pressure by rules

246 lbs.

Superheater or Steam chest: how connected to boiler

None

Can the superheater be shut off and the boiler worked

ately

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diam. of rivet

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

Reinforced with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

ing pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

RTICAL DONKEY BOILER—

No.

Description

Manufacturers of steel

at

By whom made

When made

Where fixed

Working pressure

by hydraulic pressure to

Date of test

No. of Certificate

Fire grate area

Description of safety valves

of safety valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

the donkey boiler

Dia. of donkey boiler

Length

Material of shell plates

Thickness

Range of tensile

th

Descrip. of riveting long. seams

Dia. of rivet holes

Whether punched or drilled

Pitch of rivets

of plating

Per centage of strength of joint

Rivets

Working pressure of shell by rules

Thickness of shell crown plates

is of do.

No. of Stays to do.

Dia. of stays

Diameter of furnace Top

Bottom

Length of furnace

ness of furnace plates

Description of joint

Working pressure of furnace by rules

Thickness of furnace crown

Radius of do.

Stayed by

Diameter of uptake

Thickness of uptake plates

ness of water tubes

The foregoing is a correct description,

Manufacturer.

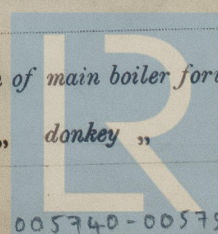
During progress of work in shops - - -
During erection on board vessel - - -
Total No. of visits

1909. May. 18. 20. 24. 31. June 8. 19. 24. July 13. 20. 23.

10

Is the approved plan of main boiler forwarded herewith

Yes.



© 2020

Lloyd's Register Foundation

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

The main Boilers referred to in this report, were partly constructed by Messrs Baird & Co Ltd of Greenock. The Combustion Chamber boxes only have been riveted. all other parts have been flanged, drilled and fitted together. The work has been specially surveyed during construction and the workmanship throughout is good.

The various parts of these Boilers are being forwarded to Trieste for completion.

Request form B. 7. attached.

Certificate (if required) to be sent to

The amount of Entry fee... £ : :
 Special ... £ 10 : :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, to be collected by ...
 When received, 5/2/10

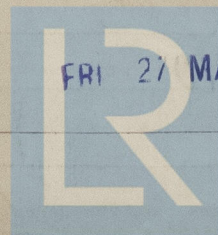
Committee's Minute GLASGOW 5.AUG. 1909

Assigned Transmit to London

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

TUES. 1 FEB 1910

FRI 27 MAY 1910



© 2020

Lloyd's Register Foundation