

REPORT ON BOILERS.

No. 15148.

Port of Greenock.

Received at London Office

TUES. 17 SEP 1907

No. in Survey held at Port Glasgow.

Reg. Book.

Date, first Survey

29th March 1907

Last Survey

1st July 1907(Number of Visits 22.)on the Screw Steamer Le Scorff(Gross Tonnage 200 Vessel Don)

Master

Built at

Bowling

By whom built

Scott & Sons

Engines made at

Irvine

By whom made

Renfrew Bros.

When built

1904

Boilers made at

Port Glasgow

By whom made

Glyde Shipbuilding & Engineering Co. Ltd.

when made

1904

Registered Horse Power

Owners

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Co. of Scotland.(Letter for record S.)

Total Heating Surface of Boilers

1654 sq. ft.Is forced draft fitted No.

No. and Description of

Boilers 1: Cylindrical, Simple ended, Working Pressure 180 lb.Tested by hydraulic pressure to 360 lb.Date of test 24/6/07No. of Certificate 835Can each boiler be worked separately -

Area of fire grate in each boiler

No. and Description of

safety valves to each boiler

Area of each valve

Pressure to which they are adjusted

Are they fitted with easing gear

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

Smallest distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers 13' 6" Length 10' 0"

Material of shell plates

Steel

Thickness

1 3/4"Range of tensile strength 28 to 32 tonsAre the shell plates welded or flanged No.Descrip. of riveting: cir. seams Lap Double long. seams5 Butt StrapsDiameter of rivet holes in long. seams 1 3/8"Pitch of rivets 8" 4"

Top of plates or width of butt straps

14 3/4"

Per centages of strength of longitudinal joint

rivets 95

Working pressure of shell by

rules 185 lb.Size of manhole in shell 16" x 12"Size of compensating ring 33 x 27 x 1 1/8"

No. and Description of Furnaces in each

boiler 3: Deighton'sMaterial SteelOutside diameter 3' 5 1/2"

Length of plain part

top 6' 6"

Thickness of plates

crown 1/2"

Description of longitudinal joint

Weld.No. of strengthening rings none

Working pressure of furnace by the rules

184 lb.

Combustion chamber

plates: Material Steel

Thickness: Sides

1 3/4"

Back

5/8"

Top

1 3/4"

Bottom

1 1/8"

Pitch of stays to ditto: Sides

8 1/4" x 8"

Top

8 x 8 1/4"

If stays are fitted with nuts or riveted heads

Auto.

Working pressure by rules

185 lb.

Material of stays

Steel

Diameter at

smallest part

1 1/2"

Area supported by each stay

68 sq. in.

Working pressure by rules

207 lb.

End plates in steam space: Material

Steel

Thickness

Pitch of stays

15 x 16"

How are stays secured

8 nuts

Working pressure by rules

184 lb.

Material of stays

Steel

Diameter at

Area supported by each stay

240 sq. in.

Working pressure by rules

199 lb.

Material of Front plates at bottom

Steel

Thickness

1 3/8"

Material of

Lower back plate

Steel

Thickness

1 3/8"

Greatest pitch of stays

13 1/2"

Working pressure of plate by rules

185 lb.

Diameter of tubes

Pitch of tubes

4 5/8 x 4 5/8"

Material of tube plates

Steel

Thickness: Front

3/4"

Back

1 1/8"

Mean pitch of stays

water spaces

14 1/2"

Working pressures by rules

215 lb., 178 lb.

Girders to Chamber tops: Material

Steel

Depth and thickness of

girder at centre

7 1/4 x 1 1/2"

Length as per rule

28.8"

Distance apart

8"

Number and pitch of Stays in each

2: 8 1/4"

Working pressure by rules

192 lb.

Superheater or Steam chest: how connected to boiler

none

Can the superheater be shut off and the boiler worked

separately

Diameter

Length

Thickness of shell plates

Material

Steel

Description of longitudinal joint

Diam. of rivet

holes

Pitch of rivets

Working pressure of shell by rules

Diameter of flue

Material of flue plates

Thickness

If stiffened with rings

Distance between rings

Working pressure by rules

End plates: Thickness

How stayed

Working pressure of end plates

Area of safety valves to superheater

Are they fitted with easing gear

VERTICAL DONKEY BOILER—

No.

Description

Manufacturers of steel

Made at

By whom made

When made

Where fixed

Working pressure

tested by hydraulic pressure to

Date of test

No. of Certificate

Fire grate area

Description of safety valves

No. of safety valves

Area of each

Pressure to which they are adjusted

If fitted with easing gear

If steam from main boilers can

enter the donkey boiler

Dia. of donkey boiler

Length

Material of shell plates

Thickness

Range of tensile

strength

Descrip. of riveting long. seams

Dia. of rivet holes

Whether punched or drilled

Pitch of rivets

Lap of plating

Per centage of strength of joint

Rivets

Working pressure of shell by rules

Thickness of shell crown plates

Radius of do.

No. of Stays to do.

Dia. of stays

Diameter of furnace Top

Bottom

Length of furnace

Thickness of furnace plates

Description of joint

Working pressure of furnace by rules

Thickness of furnace crown

plates

Radius of do.

Stayed by

Diameter of uptake

Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description,

THE GLYDE SHIPBUILDING & ENGINEERING CO. LIMITED,

Manufacturer.

Dates
Survey
while
building

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

1907. Mar 29. April 14. 9. 11. 19. 27. 25.
May 16. 20. 23. 24. 28. 31. June 4. 10. 13. 17. 21. 25. 27. July 1.
22.

Is the approved plan of main boiler forwarded herewith

" " " donkey " "

Yes.

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

The main Boiler for this vessel has been built under special survey and the materials and workmanship are good. When completed it was tested by Hydraulic pressure to 360 lbs. per sq. inch and found tight and sound.

Certificate (if required) to be sent to—

The amount of Entry Fee...	£	1 survey fee	When applied for,
Special ...	£	to be credited:	19
Donkey Boiler Fee ...	£	to Greenock.	When received,
Travelling Expenses (if any) £	:	:	19

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

Committee's Minute

Glasgow 17 JUL 1907

Assigned

See Gls. Report 10. *Wm. Austin*

Retain



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Foundation