

REPORT ON BOILERS.

No. 102988

Received at London Office

Date of writing Report

When handed in at Local Office

6. 7. 1945 Port of

NEWCASTLE-ON-TYNE.

No. in Survey held at
Reg. Book.

NEWCASTLE-ON-TYNE.

Date, First Survey (1944) May 22 Last Survey

July 2nd 1945

(Number of Visits 92)

Tons { Gross 8169
Net 4644

on the

TANKER. S/S REGENT HAWK.

Built at NEWCASTLE.

By whom built

SWAN HUNTER & WIGHAM RICHARDSON.

Yard No. 1701 When built 1945.

Engines made at

NEWCASTLE.

By whom made

S.H. & W.R.

Engine No. 1776 When made 1945

Boilers made at

NEWCASTLE.

By whom made

S.H. & W.R.

Boiler No. 1776 When made 1945.

Nominal Horse Power

617.

Owners TRINIDAD LEASEHOLDS LIMITED.

Port belonging to LONDON.

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY.~~

Manufacturers of Steel THE STEEL COMPANY OF SCOTLAND.

(Letter for Record S.)

Total Heating Surface of Boilers

9990 sq. ft.

Is forced draught fitted

YES.

Coal or Oil fired

OIL.

No. and Description of Boilers 3 - SINGLE ENDED MULTITUBULAR.

Working Pressure 220 lbs/sq. in.

Tested by hydraulic pressure

380 lbs/sq. in.

Date of test

3. 31. 1. 45.

No. of Certificate

S. 1140.

Can each boiler be worked separately

YES.

Area of Firegrate in each Boiler

OIL FIRED.

No. and Description of safety valves to each boiler

1 - COCKBURN'S IMPROVED HIGH LIFT TYPE.

Area of each set of valves per boiler

per Rule 8.47 sq. in.

as fitted 9.8 sq. in.

Pressure to which they are adjusted

220 lbs/sq. in.

Are they fitted with easing gear

YES.

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

9".

Is oil fuel carried in the double bottom under boilers

YES.

Smallest distance between shell of boiler and tank top plating

2'-1".

Is the bottom of the boiler insulated

YES.

Largest internal dia. of boilers

16'-3".

Length

11'-11/32".

Shell plates: Material

STEEL.

Tensile strength

31/35 T.

Thickness

1 15/32".

Are the shell plates welded or flanged

NO.

Description of riveting: circ. seams

end D.R.

inter.

long. seams

TR. D.B.S.

Diameter of rivet holes in

circ. seams 1 9/16".

long. seams 1 9/16".

Pitch of rivets

4'-6".

Percentage of strength of circ. end seams

plate 66.03.

rivets 42.11.

Percentage of strength of circ. intermediate seam

plate 65.02.

rivets 87.00.

Percentage of strength of longitudinal joint

plate 65.02.

rivets 87.00.

combined 87.45.

Thickness of butt straps

outer 1 1/8".

inner 1 1/4".

No. and Description of Furnaces in each Boiler 3 - DEIGHTON TYPE.

Material

STEEL.

Tensile strength

26/30 T.

Smallest outside diameter

4'-1 1/8".

Length of plain part

top 6".

bottom 6".

Thickness of plates

crown 3/4".

bottom 3/4".

Description of longitudinal joint

FIRE WELD.

Dimensions of stiffening rings on furnace or c.c. bottom

End plates in steam space: Material

STEEL.

Tensile strength

26/30 T.

Thickness

1 15/32".

Pitch of stays 22" x 18".

How are stays secured

SCREWED THRO' PLATE & FITTED WITH NUT ON OUTSIDE.

Tube plates: Material

front STEEL.

back STEEL.

Tensile strength

26/30 T.

Thickness

1".

Mean pitch of stay tubes in nests

8 1/2" x 12 3/4".

Pitch across wide water spaces

14" x 4 1/4".

Girders to combustion chamber tops: Material

STEEL.

Tensile strength

26/32 T.

Depth and thickness of girder

at centre

10 3/8" x 26 3/4".

Length as per Rule

33 15/16".

Distance apart

9 3/4".

No. and pitch of stays

in each

3 @ 8".

Combustion chamber plates: Material

STEEL.

Tensile strength

26/30 T.

Thickness: Sides

23/32".

Back

23/32".

Top

23/32".

Bottom

7/8".

ALL BACK & SIDE STAYS

Pitch of stays to ditto: Sides

8" x 9".

Back

8 1/2" x 9 1/2".

Top

8" x 9 3/4".

Are stays fitted with nuts or riveted over

NUTTED AT BOTH ENDS EXCEPT STAYS THRO' SHELL NUTTED INSIDE ONLY.

Front plate at bottom: Material

STEEL.

Tensile strength

26/30 T.

Thickness

1".

Lower back plate: Material

STEEL.

Tensile strength

26/30 T.

Thickness

1 1/32".

Pitch of stays at wide water space

17 1/4" x 9 3/4".

Are stays fitted with nuts or riveted over

SCREWED THRO' PLATE & FITTED WITH NUT ON OUTSIDE.

Main stays: Material

STEEL.

Tensile strength

28/32 T.

Diameter

At body of stay, or over threads

3 3/4".

No. of threads per inch

6.

Screw stays: Material

STEEL.

Tensile strength

26/30 T.

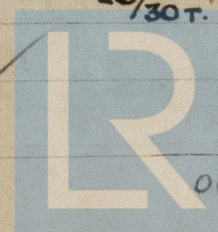
Diameter

At turned off part, or over threads

1 3/4".

No. of threads per inch

9.



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005769-005717-013

