

## REPORT ON BOILERS.

No. 61846

22 DEC 1939

Writing Report

When handed in at Local Office

18.12.39

Received at London Office

Port of Glasgow

Survey held at

Annan

Date, First Survey

10.11.39

Last Survey

11.12.1939

on the

M/S. "PORT NAPIER"

(Number of Visits

6)

Gross 9847

Net 5906

Built at Newcastle

By whom built Swan Hunter &amp; Wigham Richardson (N 1622)

Yard No 1569

When built 1940

made at

Annan

By whom made

Buchanan &amp; Co Annan Ltd (N 14443)

When made 1939

Commonwealth &amp; Dominion Line Ltd

Port belonging to

London

TICAL DONKEY BOILER

No. one

Description Buchanan

Manufacturers of steel

Cochran &amp; Co Ltd

as above

By whom made

When made

Where fixed

Working pressure 105 lb

hydraulic pressure

208

Date of test

11.12.39

No. of Certificate

20490

Fire grate area

oil fired

Description of safety valves

Enclosed spring

safety valves

2

Area of each

4.9 sq

Pressure to which they are adjusted

If fitted with easing gear

yes

If steam from main boilers can

donkey boiler

Diameter of donkey boiler

6'-6"

Length

14'-9"

Material of shell plates

S

Thickness

15" 19" 32 32

tensile strength

28-32 tons

Description of riveting long. seams

WR lap

Diameter of rivet holes

2 1/2"

Whether punched or

Pitch of rivets

2.66. 2 1/16. 2.70

Lap of plating

4 1/4"

Per centage of strength of joint

Rivets 72.4

Plates 68.2

Working pressure of shell by

110

Thickness of shell crown plates

1 1/16"

Radius of do.

6'-6"

No. of stays to do.

-

Diameter of stays

Diameter of

Top

Bottom 5'-6"

Length of furnace

Thickness of furnace side plates

1/2"

Description of joint

Seamless

Working

of furnace by rules

125

Thickness of Ogee ring

7/8"

Working pressure of Ogee ring by rules

109

Thickness of furnace

plates 1/2"

Radius of do.

2'-9"

Stayed by

hemisphere

Diameter of uptake

15" x 23"

Thickness of uptake

9'-6"

Thickness of tube plates

front 2 1/2"

back 2 3/32"

Mean pitch of stay tubes in nest

13.01"

Pitch in outer vertical rows

8.88"

of tube holes FRONT

stay 2 1/16"

plain 2 9/16"

BACK

stay 2 1/2"

plain 2 1/2"

Working pressure of tube plates by rules

F126. B126

Tubes: Material

Iron

59 1/4"

diameter

stay 2 1/2"

plain 2 1/2"

Thickness

stay 1 1/32"

plain 1 1/32"

No. of threads per inch

9

Pitch of tubes

3 9/16" x 4 7/16"

pressure by rules

125

Manhole compensation: Size of opening in shell plate

2 1/4" x 16"

Section of compensating

1 1/4" x 1"

No. of rivets and diameter of rivet holes

40 @ 2 1/32"

Outer row pitch at ends

4.11"

FOR COCHRAN &amp; CO. ANNAN, L.D.

T. R. R.

Manufacturer.

WORKS MANAGER.

Drawing No.

20490

24967

24967

Is the approved plan of boiler forwarded herewith

yes

RAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

material and workmanship are good  
 boiler has been constructed under special survey.  
 boiler will be sent to Wallsend to be fitted in the vessel

Newcastle 20/6/40

The oil fired Vertical Boiler has been fixed in Main Engine Room at  
 its Port Forward Corner. The S.V.s were adjusted under steam to 105 lbs/sq in  
 and the accumulation test was satisfactory

W. L. Watt  
 Newcastle-on-Tyne

ey Fee

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£ 4 : 4 :

When applied for

19.

er of Shipping Expenses (if any) £

:

:

When received

19.

MONTHLY ACCOUNT

ittee's Minute

GLASGOW

19 DEC 1939

ed

TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 12 JUL 1940

See  
 Newc. 20.6.40

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W71-0050