

REPORT ON BOILERS.

No. 65129

26 FEB 1942

Date of writing Report

19

When handed in at Local Office

23. 2.

1942

Port of

Glasgow

No. in Survey held at

Annan

Date, First Survey

27. 11. 41

Last Survey

19. 2. 1942

Reg. Book.

on the

S.S. "WILLIAM PEARMAN."

(Number of Visits

7

Gross

Tons

Net

Built at

Burntisland

By whom built

Burntisland S.B. Co. Ld.

Yard No.

257

When built

1942

Boilers made at

Annan

By whom made

J. Cochran & Co. Annan Ld.

Boiler No.

15229

When made

1942

Owners

Port belonging to

VERTICAL DONKEY BOILER—

No. one

Description

J. Cochran

Manufacturers of steel

G. W. W. & Co. Ltd.

Made at

Annan

By whom made

J. Cochran & Co. Annan Ld.

When made

1942

Where fixed

Port side of Stokefold

Working pressure

105

tested by hydraulic pressure to

208

Date of test

19. 2. 42

No. of Certificate

20977

Fire grate area

16.75

Description of safety valves

Enclosed spring

No. of safety valves

2

Area of each

3.14

Pressure to which they are adjusted

105 lbs

If fitted with easing gear

yes

If steam from main boilers can

enter the donkey boiler

Range of tensile strength

28-32 tons

Description of riveting long. seams

J. W. C. Lap

Diameter of rivet holes

2.5

Whether punched or

drilled

drilled

Pitch of rivets

2.69, 2.55, 2.5

Lap of plating

3 7/8

drilled

Pitch of rivets

2.69, 2.55, 2.5

Lap of plating

3 7/8

Per centage of strength of joint

Rivets

66.7

Working pressure of shell by

Plates

68.7

Diameter of

stays

Diameter of

furnace—Top

Bottom

4-9

Length of furnace

Thickness of furnace side plates

1/2

Description of joint

Seamless

Working

pressure of furnace by rules

144

Thickness of Ogee ring

2.3

Working pressure of Ogee ring by rules

114

Thickness of furnace

crown plates

1/2

Radius of do.

2-4 1/2

Stayed by

Hemisphere

Diameter of uptake

13" x 19 1/2"

Thickness of uptake

plates

9 1/2

Thickness of tube plates

front

3 1/2

back

Diameter of tube holes

FRONT

stay

2 1/2

BACK

stay

2 1/2

Working pressure of tube plates by rules

F 109.3111

Tubes: Material

Iron

External diameter

stay

2 1/2

Thickness

stay

Working pressure by rules

125

Manhole compensation; Size of opening in shell plate

21" x 17"

Section of compensating

ring

7" x 1"

No. of rivets and diameter of rivet holes

40 @ 2.5

Outer row pitch at ends

4"

The foregoing is a correct description,

J. F. Campbell

Manufacturer

Dates

During progress of work in shops—

1941 Nov.: 27 Dec.: 23. 31 (1942) Jan.: 16 Feb.: 5. 12. 19

Drawing No.

25694

of Survey

During erection on board vessel—

while building

Total No. of visits

7

Is the approved plan of boiler forwarded herewith

yes

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

The materials and workmanship are good.

The boiler has been constructed under special survey.

To the order of Messrs David Rowan & Co. Ltd. for their No. 1098

The boiler will be sent to Burntisland to be fitted in the vessel.

This boiler has been efficiently fitted on board & the safety valves adjusted to 105 lbs/11".

J. F. Campbell.

Survey Fee

...

£ 4 : 4 :

When applied for

Mon. 19.

Travelling Expenses (if any) £

When received

19.

Committee's Minute

GLASGOW 24 FEB 1942

Assigned

Deferred

TUE. 21 APR 1942

See Lett

J.C. 20674

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

005377 - 005386 - 0258