

REPORT ON BOILERS.

No. 88385

15 APR 1932

Received at London Office

When handed in at Local Office 13/4/1932 Port of **NEWCASTLE-ON-TYNE.**

Scotswood.

Date, First Survey 30/4/30 Last Survey 13/4/1932

M.V. "ASHMORE"

(Number of Visits —) Gross 5817
Tons Net 3449

Built at **Willington Quay** By whom built **Sir W.G. Armstrong Whitworth & Co. Ltd.** Yard No. 1069. When built 1931.

Scotswood By whom made **Thos. S. W.G. Armstrong Whitworth & Co. Ltd.** Engine No. 95 When made 1931.

Scotswood By whom made **Thos. S. W.G. Armstrong Whitworth & Co. Ltd.** Boiler No. 95. When made 1931.

583.

Owners

A.G. ALLEN.

Port belonging to **LONDON.**

PURE. AIR. RECEIVER.

FOR BOILERS MAIN, AUXILIARY, OR DONKEY.

David Colville & Sons Glasgow.

AIR RECEIVER

42 cu ft.

Is forced draught fitted

(Letter for Record ☒)

Coal or Oil fired ☒

One Riveted Air Receiver.

Working Pressure 180 lb/sq in

Pressure to 320 lb/sq in Date of test

No. of Certificate

Can each boiler be worked separately ☒

are drawn each Boiler

No. and Description of safety valves to each boiler

2 Spring loaded.

valves per boiler (per Rule ☒
as fitted **6.280"**

Pressure to which they are adjusted

180 lb/sq in

Are they fitted with easing gear ☒

Boilers, state whether steam from main boilers can enter the donkey boiler ☒

Is oil fuel carried in the double bottom under boilers ☒

between shell of boiler and tank top plating ☒

Is the bottom of the boiler insulated

RECEIVER

2'-6"

Length

7'-0"

Shell plates: Material

Steel

Tensile strength

28-32 tons

Are the shell plates welded or flanged ☒

No.

Description of riveting: circ. seams

1 1/16"

Pitch of rivets

2"

2.41"

Percentage of strength of circ. intermediate seam

Diameter of rivet holes in circ. seams

65.5%

plate rivets **48.8%**

plate rivets **71.4%**

combined **81.3%**

83.35%

Working pressure of shell by Rules

184 lb/sq in

No. and Description of Furnaces in each Boiler

Tensile strength

Smallest outside diameter

Thickness of plates (crown ☒
bottom ☒

Description of longitudinal joint ☒

Working pressure of furnace by Rules

Material

Steel

Tensile strength

26-30 tons

Thickness

F 3/16" B 1/2"

Radius

2'-6"

Working pressure by Rules

250 lb/sq in

Tensile strength

Thickness

Pitch across wide water spaces

Working pressure (front ☒
back ☒

chamber tops: Material

Tensile strength

Depth and thickness of girder

Length as per Rule

Distance apart

No. and pitch of stays

Working pressure by Rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

Sides

Back

Top

Are stays fitted with nuts or riveted over

Front plate at bottom: Material

Tensile strength

Lower back plate: Material

Tensile strength

Thickness

Are stays fitted with nuts or riveted over

Main stays: Material

Tensile strength

No. of threads per inch

Area supported by each stay

Screw stays: Material

Tensile strength

No. of threads per inch

Area supported by each stay

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Foundation

Working pressure by Rules Are the stays drilled at the outer ends Margin stays: Diameter { At turned off part, or Over threads

No. of threads per inch Area supported by each stay Working pressure by Rules

Tubes: Material External diameter { Plain Stay Thickness { No. of threads per inch

Pitch of tubes Working pressure by Rules Manhole compensation

shell plate Section of compensating ring No. of rivets and diameter of rivet holes

Outer row rivet pitch at ends Depth of flange if manhole flanged Steam Dome: Material

Tensile strength Thickness of shell Description of longitudinal joint

Diameter of rivet holes Pitch of rivets Percentage of strength of joint { Plate Rivets

Internal diameter Working pressure by Rules Thickness of crown

stays Inner radius of crown Working pressure by Rules

How connected to shell Size of doubling plate under dome Diameter of lower

of rivets in outer row in dome connection to shell

Type of Superheater Manufacturers of Tubes Steel castings

Number of elements Material of tubes Internal diameter and thickness of tubes

Material of headers Tensile strength Thickness Can the superheater be worked separately Is a safety valve fitted to every part of the superheater which can be shut off from the boiler

Area of each safety valve Are the safety valves fitted with easing gear

Rules Pressure to which the safety valves are adjusted

tubes castings and after assembly in place Are drain to free the superheater from water where necessary

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with

The foregoing is a correct description of the boiler and superheater between the receiver and the boiler.

Dates of Survey { During progress of work in shops - - - See many Report Are the approved plans of boiler and superheater forwarded (If not state date of approval.)

while building { During erection on board vessel - - - Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Receiver has been Special Survey and in accordance with the Society's Rules & approved. The materials & workmanship are sound and good. The safety valve adjusted to the approved working pressure.

Survey Fee ... £ For Fee When applied for, 192

Travelling Expenses (if any) £ See many Rpt When received, 192

L. Peckett. Engineer Surveyor to Lloyd's Register

Committee's Minute TUE. 19 APR 1932

Assigned

See F.E. Rpt.



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