

# REPORT ON BOILERS.

No. 88385

15 APR 1932

Received at London Office

When handed in at Local Office

13/4/32

Port of **NEWCASTLE-ON-TYNE.**

**Scotswood.**

Date, First Survey

30/4/30

Last Survey

13/4/32

**M.V. "ASHMORE"**

(Number of Visits)

Gross 5817

Tons

Net 3449

Built at **Willington Quay**

By whom built

**S.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.**

## ING. AIR. RECEIVERS.

~~MAIN BOILERS MAIN AUXILIARY OR DONKEY.~~

**Thos. Gutehoffnungshutte Oberhausen**  
**400 cu ft.**

(Letter for Record ☒)

Is forced draught fitted ☒

Coal or Oil fired ☒

**Two Riveted Air Receivers.**

Working Pressure **425 lb/sq. in.**

pressure to **625 lb/sq. in.**

Date of test **25-8-30**

No. of Certificate **44374438**

Can each boiler be worked separately ☒

No. and Description of safety valves to each boiler

**2 Spring loaded.**

valves per boiler (per Rule ☒  
as fitted **.88 sq. in.**)

Pressure to which they are adjusted

**425 lb/sq. in.**

Are they fitted with easing gear ☒

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

Convenient boilers or uptakes and bunkers or woodwork ☒

Is oil fuel carried in the double bottom under boilers ☒

Twelve shell of boiler and tank top plating ☒

Is the bottom of the boiler insulated ☒

**RECEIVERS**

**4'-6"**

Length

**11'-6"**

Shell plates: Material

**Steel**

Tensile strength **29-33 tons.**

**D.R. 44.**

Are the shell plates welded or flanged ☒

No.

Description of riveting: circ. seams

end

**34"**

inter.

**6 3/32"**

Diameter of rivet holes in

circ. seams

**1 1/8"**

long. seams

**1 1/4"**

Pitch of rivets

**34"**

**6 3/32"**

Percentage of strength of circ. intermediate seam

plate

☒

rivets

☒

Working pressure of shell by Rules

**434.7 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

**86-30 tons**

Thickness

**5 1/4" B 1 3/8"**

Radius

**3'-7 1/2"**

Working pressure by Rules

**430.3 lb/sq. in.**

Tensile strength

Thickness

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

No. of threads per inch Area supported by each stay Thickness { No. of threads per inch

Tubes: Material External diameter { Plain Stay Thickness { Manhole compensation

Pitch of tubes Working pressure by Rules No. of rivets and diameter of rivet holes

shell plate Section of compensating ring Depth of flange if manhole flanged Steam Dome: Material

Outer row rivet pitch at ends Thickness of shell Description of longitudinal joint Percentage of strength of joint { Plate Rivets

Tensile strength Pitch of rivets Thickness of crown

Diameter of rivet holes Working pressure by Rules Working pressure by Rules

Internal diameter Inner radius of crown Diameter of stays

How connected to shell Size of doubling plate under dome

of rivets in outer row in dome connection to shell

Type of Superheater Manufacturers of { Tubes Steel castings Internal diameter and thickness of tubes

Number of elements Material of tubes Tensile strength Thickness Can the superheater be shut off from the line of the boiler?

Material of headers Is a safety valve fitted to every part of the superheater which can be shut off from the line of the boiler?

the boiler be worked separately Are the safety valves fitted with easing gear

Area of each safety valve Pressure to which the safety valves are adjusted and after assembly in place

Rules Are the safety valves tested before and after assembly in place

tubes to free the superheater from water where necessary

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

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

Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The Receivers have under Special Survey and in accordance with the Society's approved plan. The materials & workmanship are sound and the safety valves were adjusted to the approved working

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

Travelling Expenses (if any) £ See inquiry report When received. 192

Committee's Minute TUE. 19 APR 1932

Assigned

See F.B. Rpt.



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