

REPORT ON BOILERS.

No. 48200

25 JUL 1928

Received at London Office

Date of writing Report

When handed in at Local Office

21-7-1928 Port of Glasgow

No. in Survey held at Reg. Book.

Glasgow

Date, First Survey

1-2-28

Last Survey

10-4-1928

on the

M.V. CLYDEFIELD.

(Number of Visits 58)

Tons

Gross 6758.

Net 3949.

Built at Glasgow

By whom built D. W. Henderson & Co

Yard No. 808

When built 1928

Engines made at do

By whom made Harland & Wolff Ltd

Engine No. 808

When made 1928

Boilers made at do

By whom made D & W Henderson & Co

Boiler No. 808

When made 1928

Owners Hunting & Son Ltd

Port belonging to

Newcastle

AIR RESERVOIRS.

SEE BELFAST REPORT. No 9885.

VERTICAL DONKEY BOILER.

Made at By whom made Boiler No. When made Where fixed

Manufacturers of Steel

Total Heating Surface of Boiler

Is forced draught fitted

Coal or Oil fired

No. and Description of Boilers

Working pressure

Tested by hydraulic pressure to

Date of test

No. of Certificate

Area of Firegrate in each Boiler

No. and Description of safety valves

ON PIPE LINE.

DOUBLE SPRING.

Area of each set of valves

per rule

as fitted

9.8 sq.

Pressure to which they are adjusted 25 ATMOS.

Are they fitted with easing gear

✓

State whether steam from main boilers can enter the donkey boiler

Smallest distance between boiler or uptake and bunkers

or woodwork

Is oil fuel carried in the double bottom under boiler

Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated

Largest internal dia. of boiler

Height

Shell plates: Material

Tensile strength

Thickness

Are the shell plates welded or flanged

Description of riveting: circ. seams

end

inter

long. seams

Dia. of rivet holes in

circ. seams

long. seams

Pitch of rivets

Percentage of strength of circ. seams

plate

rivets

of Longitudinal joint

plate

rivets

combined

Working pressure of shell by rules

Thickness of butt straps

outer

inner

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat

Material

Tensile strength

Thickness

Radius

Working pressure by rules

Description of Furnace: Plain, spherical, or dished crown

Material

Tensile strength

Thickness

External diameter

top

bottom

Length as per rule

Working pressure by rules

Pitch of support stays circumferentially

and vertically

Are stays fitted with nuts or riveted over

Diameter of stays over thread

Radius of spherical or dished furnace crown

Working pressure by rule

Thickness of Ogee Ring

Diameter as per rule

D

d

Working pressure by rule

Combustion Chamber: Material

Tensile strength

Thickness of top plate

Radius if dished

Working pressure by rule

Thickness of back plate

Diameter if circular

Length as per rule

Pitch of stays

Are stays fitted with nuts or riveted over

Diameter of stays over thread

Working pressure of back plate by rules

Tube Plates: Material

front

back

Tensile strength

Thickness

Mean pitch of stay tubes in nests

If comprising shell, Dia. as per rule

front

back

Pitch in outer vertical rows

Dia. of tube holes FRONT

stay

plain

BACK

stay

plain

Is each alternate tube in outer vertical rows a stay tube

Working pressure by rules

front

back

Girders to combustion chamber tops: Material

Tensile strength

Depth and thickness of girder at centre

Length as per rule

Distance apart

No. and pitch of stays in each

Working pressure by rule

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Crown stays: Material _____ Tensile strength _____ Diameter { at body of stay, _____
or _____
over threads _____
No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____
Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part, _____
or _____
over threads _____ No. of threads per inch _____
Area supported by each stay _____ Working pressure by rules _____ Are the stays drilled at the outer ends _____
Tubes: Material _____ External diameter { plain _____
stay _____ Thickness { _____
No. of threads per inch _____ Pitch of tubes _____ Working pressure by rules _____
Manhole Compensation: Size of opening in 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 _____
Uptake: External diameter _____ Thickness of uptake plate _____
Cross Tubes: No. _____ External diameters { _____ Thickness of plates _____

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with _____

The foregoing is a correct description,

Manufacturer _____

Dates of Survey { During progress of work in shops - -
while building { During erection on board vessel - -

Is the approved plan of boiler forwarded herewith (If not state date of approval.)

Total No. of visits 68

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

These air receivers have been fitted on board the above vessel and properly secured, and their safety valves adjusted.

Survey Fee £

Travelling Expenses (if any) £

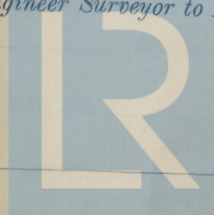
When applied for, 19

When received, 19

Committee's Minute GLASGOW 24 JUL 1928

Assigned See accompanying machy Report

J. S. MacDonald
Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
Foundation