

REPORT ON BOILERS.

No. 303

7 NOV 1956

Received at London Office.

Date of writing Report 11.10. 1956 When handed in at Local Office 19 Port of Birmingham

No. in Survey held at Tipton Date, First Survey 22/6/56 Last Survey 11/10/56 19
Reg. Book. (Number of Visits 10) Cross

on the Yard No. 158 Tons Net

Built at Uddevalla By whom built Ab. Uddevallavarvet Aktiebolag Yard No. 158 When built

Engines made at By whom made Engine No. When made

Boilers made at By whom made Boiler No. When made

Owners Port belonging to

VERTICAL BOILER.

Made at Tipton By whom made Wrights Forge & Eng Co. Limited Boiler No. J.1718 When made 1956 Where fixed

Manufacturers of Steel Consett Iron & Steel Co. & Colvilles Limited

Total Heating Surface of each Boiler 1640 sq. feet Is forced draught fitted Coal or Oil fired Exhaust Gas

No. and Description of Boilers One - Spanner "Swirlyflo" Working Pressure 149 lb

Tested by hydraulic pressure to 275 lb Date of test 11.10.56. No. of Certificate 285

Area of fire grate in each Boiler No. and description of safety valves to each boiler

Area of each set of valves per boiler { per Rule... Pressure to which they are adjusted... Are they fitted with easing gear...
as fitted...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 6'-2" Height 7'-0"

Shell plates: Material Steel Tensile strength 28-32 tons Thickness 1/2"

Are the shell plates welded or flanged Welded If fusion welded, state name of welding firm R. Jenkins & Co. Limited

Have all the requirements of the Rules for Class I vessels been complied with See Sheffield Cert. Description of riveting: circ. seams { end... inter...
long. seams { circ. seams... Pitch of rivets { Thickness of butt straps { outer... inner...

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Material Tensile strength Thickness

Radius Description of Furnace: Plain, spherical, or dished crown None fitted Material

Tensile strength Thickness External diameter { top... Length as per Rule...
bottom...

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

Thickness of Ogee Ring Diameter as per Rule { D... d...

Combustion Chamber: Material None fitted Tensile strength Thickness of top plate

Radius if dished 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

Tube Plates: TOP XXX Steel Tensile strength { 28-32 tons Thickness { 1" Mean pitch of stay tubes in nests 14.37"
BOTTOM XXX Steel { 28-32 tons { 1"

If comprising shell, dia. as per Rule { front... Pitch in outer vertical rows { Dia. of tube holes XXXX { stay 2" plain 2.1/16" XXXX { stay 2" plain 2"

Is each alternate tube in outer vertical rows a stay tube No.

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

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Crown Stays: Material _____ Tensile strength _____ Diameter { at body of stay, _____
or
over threads _____

No. of threads per inch _____ **Screw Stays:** Material _____ Tensile strength _____

Diameter { at turned off part, _____ No. of threads per inch _____ Are the stays drilled at the outer ends _____
or
over threads _____

Tubes: Material S. D. seamless steel External diameter { plain 2"
stay 2" Thickness 9 SWG
3/8"

No. of threads per inch Stay tubes welded Pitch of tubes 2.7/8" triangular

Manhole Compensation: Size of opening in shell plate 18" x 14" Section of compensating ring 4.1/2" x 1" No. of rivets and diameter _____

of rivet holes None Outer row rivet pitch at ends _____ Depth of flange if manhole flanged _____

Uptake: External diameter None fitted Thickness of uptake plate _____

Cross Tubes: No. _____ External diameters { _____ Thickness of plates _____

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with No

The foregoing is a correct description,

Manufacturer.

Dates of Survey { During progress of work in shops - - 22/6/56 - 11/10/56 Is the approved plan of boiler forwarded herewith 12/4/56
while building { During erection on board vessel - - - Total No. of visits 10
(If not state date of approval.)

Is this Boiler a duplicate of a previous case _____ If so, state Vessel's name and Report No. _____

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

This boiler has been constructed under special survey in accordance with the Society's Rules, approved plans and Secretary's letters.

The Class I welded shell was manufactured at the Works of R.Jenkins & Co.Limited and is referred to in the Sheffield Surveyor's Certificate No.C.17854 dated 20th September 1956.

The materials used throughout construction are sound and the workmanship of a good standard.

The boiler has been despatched to A.B.Uddenallavarvet Aktiebolag, Uddevalla.

Survey Fee ... £ 19 : 10 : 0

When applied for 6/11 19 56

Travelling Expenses (if any) £ 1 : 15 : 0

When received 19 56

Date

TUESDAY 14 MAY 1957

Committee's Minute

See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



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Lloyd's Register Foundation

Rpt. 5a.

Date of writing

No. in Reg. Book.

Built at

Engines made

Boilers made

MN as per

MULTIPLE

Manufacturer

Total Heat

Total for

No. and

Tested by

Area of

Area of

In case of

Smallest

Smallest

Largest

If fusion

been comp

long. seam

Percentage

Percentage

Thickness

Material

Length of

Dimension

End plate

How are

Tube plate

Mean pitch

Girders

at centre

in each

Tensile strength

Pitch of

Front plate

Thickness

Pitch of

Main stay

Diameter

Screw

Diameter