

REPORT ON BOILERS.

No. 356

Received at London Office

Report 47 1957 When handed in at Local Office 19... Port of BIRMINGHAM

Survey held at... Date, First Survey 27/12/55 Last Survey 18/6 1956

Yard No. 141 (Number of Visits... Tons { Gross... Net...)

By whom built Odense Staalskibsvaerft A/S Yard No. 141 When built...

By whom made... Engine No... When made...

By whom made... Boiler No... When made...

Port belonging to

STEEL BOILER.

By whom made Wrights Forge & Eng. Co. Ltd. Boiler No. J.1356 When made 1956 Where fixed...

Material Colvilles Ltd.

Working Surface of each Boiler 1200 sq. feet Is forced draught fitted... Coal or Oil fired Exhaust Gas

Description of Boilers One - Spanner "Swirlyflo" Working Pressure 100 lbs.

Hydraulic pressure to 200 lbs. Date of test 18.6.56 No. of Certificate 272

No. and description of safety valves to each boiler...

Pressure to which they are adjusted... Are they fitted with easing gear...

Smallest distance between boiler or uptake and bunkers... 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 5'-11.1/4" Height 6'-0"

Material Steel Tensile strength 28/32 tons Thickness 3/8"

Welded plates welded or flanged Welded If fusion welded, state name of welding firm Henry Balfour & Co. Ltd.

Requirements of the Rules for Class I vessels been complied with See Leith Cert. Description of riveting: circ. seams { end... inter... }

Dia. of rivet holes in { circ. seams... long. seams... } Pitch of rivets { } Thickness of butt straps { outer... inner... }

Material Steel Tensile strength... Thickness... Whether complete hemisphere, dished partial spherical, or flat...

Description of Furnace: Plain, spherical, or dished crown Material...

Length... Thickness... External diameter { top... bottom... } Length as per Rule...

Support stays circumferentially... and vertically... Are stays fitted with nuts or riveted over...

Radius of spherical or dished furnace crown... Diameter as per Rule { D... d... }

Material... Tensile strength... Thickness of top plate...

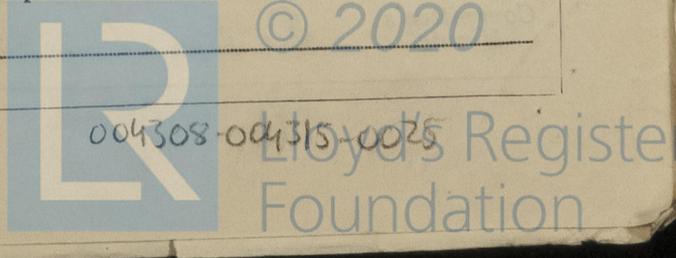
Thickness of back plate... Diameter if circular... per Rule... Pitch of stays...

Diameter of stays over thread... fitted with nuts or riveted over...

Material { TOP Steel... back Steel... } Tensile strength { 28/32 tons... } Thickness { 1" } Mean pitch of stay tubes in nests 14.37"

Material BTM Pitch in outer vertical rows { front... back... } Dia. of tube holes FRONT { stay... plain... } BACK { stay... plain... }

Material... Tensile strength... Length as per Rule... thickness of girder at centre... No. and pitch of stays in each part...



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Crown Stays: Material _____ Tensile strength _____ Diameter { at body of stay, or over threads. } _____ 13.

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

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

Tubes: Material S.D. Seamless steel External diameter { plain 2" ✓ stay 2" ✓ } Thickness { 9 S. 3/8" ✓ } No. of threads per inch Welded Pitch of tubes 2.7/8" triangular

Manhole Compensation: Size of opening in shell plate 14" x 18" ✓ Section of compensating ring 3" x 1" No. of rivets _____

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 22 inclusive for boilers been complied with. No

The foregoing is a correct description of the boiler
WRIGHT'S FORCE & ENGINEERING CO. LTD.
J. Mullett

Dates of Survey while building { During progress of work in shops - - 27.12.55 - 18.6.56 } Is the approved plan of boiler forwarded herewith (If not state date of approval.) 17. ✓
 { During erection on board vessel - - - } Total No. of visits 10

Is this Boiler a duplicate of a previous case. Yes _____ If so, state Vessel's name and Report No. Odense Staalskibsvaerft Yard Report No. 279

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

The boiler has been constructed under special survey in accordance with the Society's approved plans and Secretary's letter's.

The Class I Welded shell was manufactured at the works of Henry Balfour & Co. Ltd., and referred to in the Lieth Surveyor's Certificate No. C.5681 dated 5th September 1955.

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

The boiler has been despatched to the Odense Staalskibsvaerft A/S Yard, Odense.

Survey Fee £ 13: 10 : - When applied for 10/11 1957
 Travelling Expenses (if any) £ 1: 10 : - When received 19

[Signature]
 Engineer Surveyor to Lloyd's Register of Shipping

FRIDAY 11 APR 1958

Date _____
 Committee's Minute *See Rpt. 1.*