

Rpt. 5b.

## REPORT ON BOILERS.

No. 21384

Received at London Office 10 APR 1958

Date of writing Report 19 When handed in at Local Office 1958 Port of Leith

No. in Survey held at Leith Date, First Survey 25-2-58 Last Survey 21-3-1958  
Reg. Book.

(Number of Visits 6) Tons Gross Net

Built at Holland By whom built Messrs Basilemsche Scheepswaard No. 552 When built

Engines made at By whom made Engine No. When made

Boilers made at Leith By whom made A. Stevenson &amp; Co. Ltd. Boiler No. J.2338 When made 1958

Owners Port belonging to

## VERTICAL BOILER.

Made at Leith By whom made A. Stevenson &amp; Co. Boiler No. J.2338 When made 1958 Where fixed

Manufacturers of Steel Colvilles Ltd &amp; The Steel Company of Scotland Ltd.

Total Heating Surface of each Boiler 298 Sq Ft. Is forced draught fitted Coal or Oil fired Oil

No. and Description of Boilers One Spanner Vertical Oil Fired Boiler Working Pressure 100 lbs/sq

Tested by hydraulic pressure to 200 lbs/sq Date of test 21st March 1958. No. of Certificate LTH 964.

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 as fitted Pressure to which they are adjusted 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 4' 11 1/4" Height 7' 5"

Shell plates: Material STEEL Tensile strength 26-30 Tons/sq Thickness 3/8"

Are the shell plates welded or flanged Welded If fusion welded, state name of welding firm H. Balfour &amp; Co. Leven.

Have all the requirements of the Rules for Class I vessels been complied with Yes Description of riveting: circ. seams { end inter

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

Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Flat Material STEEL Tensile strength 26-30 Tons/sq Thickness 3/4"

Radius Description of Furnace: Plain, spherical, or dished crown Plain Material STEEL

Tensile strength 26-30 Tons/sq Thickness 1/2" External diameter { top 4' 0" Length as per Rule 2' 6" 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 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: Material STEEL Tensile strength 26-30 Tons/sq Thickness 3/4" Mean pitch of stay tubes in nests as approved

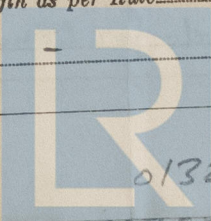
If comprising shell, dia. as per Rule { front back Pitch in outer vertical rows Dia. of tube holes FRONT { stay plain BACK { stay plain

Is each alternate tube in outer vertical rows a stay tube

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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WITH YOUR FIRST ENTRY.

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Lloyd's Register  
Foundation

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If not, state whether, and when, one will be sent?

Is a Report also sent on the Hull of the Ship?



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, - or over threads - No. of threads per inch - Are the stays drilled at the outer ends -

Tubes: Material STEEL External diameter { plain 2" & 2 1/16" stay 2" Thickness { 10 SWG 3/8"

No. of threads per inch - Pitch of tubes 2 7/8" Triangular

Manhole Compensation: Size of opening in shell plate 18" x 14" Section of compensating ring 3 1/2" x 1" 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 22 inclusive for boilers been complied with Yes

FOR & ON BEHALF OF  
A. STEVENSON & CO. LTD.  
A. Stevenson  
DIRECTOR

The foregoing is a correct description,  
Manufacturer.

Dates of Survey while building { During progress of work in shops - - 25-2-58, 28-2-58, 4-3-58, 7-3-58 Is the approved plan of boiler forwarded herewith Yes (If not state date of approval.)  
During erection on board vessel - - - 17-3-58, 21-3-58. Total No. of visits -

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

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boiler has been constructed under Special Survey in accordance with the Rules for Welded Pressure Vessels Class I & approved plans, the materials & workmanship being found good.

21/11/59  
8/4/59

Survey Fee ... £ 15 : 0 : 0 When applied for 4-4 19 58  
Travelling Expenses (if any) £ 0 : 6 : 0 When received - 19 -

G. Dundie & J. M. Cockburn  
Engineer Surveyor to Lloyd's Register of Shipping.

Date 9 APR 1958  
Committee's Minute Deferred for completion