

REPORT ON BOILERS.

No. 139.

13 JUN 1947

Received at London Office

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

No. in Survey held at Date, First Survey Last Survey 19

Reg. Book. on the "LOCH GARTH" (Number of Visits) Tons Gross Net

Built at Belfast. By whom built Harland & Wolff Ltd., Yard No. 1328. When built

Engines made at By whom made Engine No. When made

Boilers made at Lincoln. By whom made Ruston & Hornsby Ltd., Boiler No. 52615 When made 1946.
O/No. 81/450936.

Owners Port belonging to

VERTICAL BOILER.

Made at Lincoln. By whom made Ruston & Hornsby Ltd. Boiler No. 52615 When made 1946. Where fixed

Manufacturers of Steel Appleby-Frodingham Steel Co. Ltd.,

Total Heating Surface of Boiler 530 sq. ft. Is forced draught fitted Coal or Oil fired Oil. ✓

No. and Description of Boilers "NELVIN" Thimble Tube Boiler. Working Pressure 100 lbs.

Tested by hydraulic pressure to 200 Date of test 6.11.46. No. of Certificate 102.

Area of fire grate in each Boiler No. and description of safety valves to each boiler 2 1/4" C.I. Double spring High Lift marine type.

Area of each set of valves per boiler { per Rule 5.8 Pressure to which they are adjusted Are they fitted with easing gear

State whether steam from main boilers can enter the key boiler Lee Bel repair 14389.

or woodwork Is oil fuel carried in the double bottom under boiler Smallest distance between boiler or uptake and bunkers

Is the base of the boiler insulated Largest internal dia. of boiler Height

Shell plates: Material S.M. Steel Tensile strength 28/30 tons/sq. in Thickness 7/16" ✓

Are the shell plates welded or flanged No. If fusion welded, state name of welding firm

Have all the requirements of the Rules for Class I vessels been complied with Description of riveting: circ. seams { end S.R. Lap. ✓
inter S.R. Lap. ✓long. seams D.R. D.B.S. Dia. of rivet holes in { circ. seams 25/32" Pitch of rivets { 2.128" ✓
long. seams 23/32" 3.07" ✓ Percentage of strength of circ. seams { plate 63.75.
rivets 42.29.of longitudinal joint { plate 76.58. Thickness of butt straps { outer 7/16" ✓
rivets 93.05 inner 7/16" ✓ Shell Crown: Whether complete hemisphere, dished partial

spherical, or flat Spherical. ✓ Material S.M. Steel Tensile strength 26/30 Tons Thickness 13/16. ✓

Radius 6'-0" Description of Furnace: Plain, spherical, or dished crown Spherical ✓ Material S.M. Steel. ✓

Tensile strength 26/30 Tons/sq. in Thickness lower 15/16" External diameter { top 4'-3 5/8" ✓
bottom 6'-0.15/16" ✓ Length as per Rule

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 { front S.M. Steel Tensile strength { 26/30 ✓ Thickness { 1.7/32" ✓ Mean pitch of stay tubes in nests

If comprising shell, dia. as per Rule { front Pitch in outer vertical rows { vert 33" ✓
back horiz. 6.328" ✓ Dia. of tube holes FRONT { stay plain BACK stay plain

Is each alternate tube in outer vertical rows a stay tube Thimble Tubes.

Girders to Combustion Chamber Tops: Material None. Tensile strength

Depth and thickness of girder at centre Length as per Rule

Distance apart No. and pitch of stays in each

Lloyd's Register
Foundation