

REPORT ON BOILERS.

No. 24686.

Received at London Office.

Date of writing Report 19 When handed in at Local Office 19 Port of L E I T H.

No. in Survey held at EDINBURGH Date, First Survey 26.8.1959 Last Survey 14.10. 1959.
Reg. Book.

on the (Number of Visits 6) Gross Tons Net

Built at FRANCE By whom built Societe Des Forges Et Chantiers De La Mediterranee. Yard No. 1340 When built

Engines made at By whom made Engine No. When made

Boilers made at EDINBURGH By whom made A. STEVENSON & CO. LTD. Boiler No. J.2673 When made 1959

Owners Port belonging to

VERTICAL BOILER.

Made at Edinburgh By whom made A. Stevenson & Co. Ltd. Boiler No. J.2673 When made 1959 Where fixed

Manufacturers of Steel Colvilles Limited and Steel Company of Scotland

Total Heating Surface of each Boiler 500 Sq. Ft. Is forced draught fitted Coal or Oil fired Oil

No. and Description of Boilers One Vertical Oil Fired Boiler Working Pressure 85 lbs./Sq. In.

Tested by hydraulic pressure to 170 lbs./Sq. In. Date of test 14th October, 1959. No. of Certificate 1008

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 5'8 1/2" Height 10'7" overall

Shell plates: Material Steel Tensile strength 26/30 T.P.I. Thickness 3/8"

Are the shell plates welded or flanged Welded If fusion welded, state name of welding firm H. Balfour & Co. and A. Stevenson & Co.

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 long. 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. In. Thickness 3/4"

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

Tensile strength 26/30 T.P.I. Thickness 9/16" External diameter 4' - 6" Length as per Rule 4' - 5 1/2"

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 Steel Tensile strength 26-30 tons/sq. in Thickness of top plate

Radius if dished Thickness of back plate Diameter if circular 4'0"

Length as per Rule 3'0" Pitch of stays

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

Tube Plates: Material Top Steel Btm Steel Tensile strength 26/30 T.P.I. 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 As approved Dia. of tube holes FRONT { Top stay 2" BTM. stay 2" plain 2 1/16" BACK { 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

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"..... stay..... 2"..... Thickness { 10 S.W.G..... 3/8".....

No. of threads per inch..... 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..... 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. The foregoing is a correct description,
A. Stevenson
DIRECTOR..... Manufacturer.....

Dates of Survey while building { During progress of work in shops - - - 26-8-59., 31-8-59., 15-9-59., 23-9-59., 13-10-59., 14-10-59. Is the approved plan of boiler forwarded herewith..... No (If not state date of approval.)
During erection on board vessel - - - 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 1., and approved plans, the materials and workmanship being found good.

Survey Fee ... £ 15 : 0 : 0 When applied for 2/11 1959
Travelling Expenses (if any) £ 0 : 6 : 0 When received 19

Date GLASGOW 10 NOV 1959

Committee's Minute Deferred for completion

G. Puddle for A. W. Oxford & self.
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation