

## REPORT ON BOILERS.

No. 24425

Received at London Office

25 JUN 1958

Date of writing Report 19 When handed in at Local Office 19 Port of *Liith*No. in Survey held at *Liith* Date, First Survey *11-4-58* Last Survey *23-5-1958*Reg. Book. on the *Giovanella Varini* (Number of Visits *7*)

Tons { Gross Net

Built at *Venice* By whom built *Cantieri Navale Breda* Yard No. *207* When built

Engines made at By whom made Engine No. When made

Boilers made at *Liith* By whom made *A. Stevenson & Co. Ltd* Boiler No. *J.2308* When made *1958*

Owners Port belonging to

## VERTICAL BOILER.

Made at *Liith* By whom made *A. Stevenson & Co. Ltd* Boiler No. *J.2308* When made *1958* Where fixed -Manufacturers of Steel *Boliver Ltd & The Steel Company of Scotland Ltd*Total Heating Surface of each Boiler *1390 Sq Ft.* Is forced draught fitted - Coal or Oil fired *Exhaust Gas*No. and Description of Boilers *One "Spanner" Exhaust Gas Boiler* Working Pressure *195 lbs/sq*Tested by hydraulic pressure to *345 lbs/sq* Date of test *23<sup>rd</sup> May 1958* No. of Certificate *LTH 967*

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 *16' 11 5/8"* Height *5' 8"*Shell plates: Material *STEEL* Tensile strength *26.30 tons/sq* Thickness *1 1/4"*Are the shell plates welded or flanged *Welded* If fusion welded, state name of welding firm *H. Balfour & Co. Leven. 7.7.58*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 *1"*

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

Tensile strength Thickness External diameter { top bottom 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 *STEEL* Tensile strength *26.30 tons/sq* Thickness *1"* Mean pitch of stay tubes in nests *as approved*If comprising shell, dia. as per Rule { front back Pitch in outer vertical rows { stay plain 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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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 STEEL External diameter { plain 3 9/16" x 3 1/2" Thickness { 18 SWG  
stay 3 3/8" x 3 1/2" 3/8"

No. of threads per inch                      Pitch of tubes 3 3/8" Triangular

Manhole Compensation: Size of opening in shell plate 18 1/4" x 14 1/4" Section of compensating ring 4 1/2" x 1 1/8" 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.

The foregoing is a correct description,

FOR A. STEVENSON & CO. LTD.

W. Min Manufacturer.

Dates of Survey while building { During progress of work in shops - - { 11-4-58, 15-4-58, 17-4-58, 29-4-58 Is the approved plan of boiler forwarded herewith No 3-3-58  
During erection on board vessel - - { 15-5-58, 21-5-58, 23-5-58 (If not state date of approval.)

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.

Survey Fee ... £ : : When applied for 13-6-1958

Travelling Expenses (if any) £ : : When received                     

Date GLASGOW 24 JUN 1958

Committee's Minute Deferred for completion

G. Dundie  
Engineer Surveyor to Lloyd's Register of Shipping.



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