

# REPORT ON BOILERS.

No. 10588.

Received at London Office

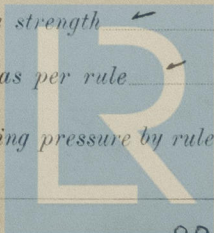
JUN 17 1938

Date of writing Report 10<sup>th</sup> June 1938 When handed in at Local Office 10 Port of Copenhagen  
 No. in Reg. Book 38620 on the Single Se. "IMPERIAL" Date, First Survey 4<sup>th</sup> March Last Survey 3<sup>rd</sup> June 1938  
 (Number of Visits 15) Gross Tons 7217.04 Net Tons 4437.51  
 Built at Aksten By whom built As Aksten Skibsverft Yard No. 84 When built 1938  
 Engines made at Copenhagen By whom made Asst. Bummeis & Wainis Engine No. 2719 When made 1938  
 Boilers made at Amman By whom made Cochran & Co Amman Ltd Boiler No. 13840 When made 1938  
 Owners Compania Sux Americana de Vapore Port belonging to Valparaiso

Please see Glasgow Rep. No. 59274

## VERTICAL DONKEY BOILER.

Made at Amman By whom made Cochran & Co Ltd Boiler No. 13840 When made 1938 Where fixed in the engine room  
 Manufacturers of Steel -  
 Total Heating Surface of Boiler - Is forced draught fitted no Coal or Oil fired oil fired exhaust gas  
 No. and Description of Boilers one Working pressure -  
 Tested by hydraulic pressure to - Date of test - No. of Certificate 20084  
 Area of Firegrate in each Boiler - No. and Description of safety valves to each boiler -  
 Area of each set of valves per boiler - Pressure to which they are adjusted 100 lbs Are they fitted with easing gear yes  
 State whether steam from main boilers can enter the donkey boiler no main boiler Smallest distance between boiler or uptake and bunkers -  
 or woodwork no woodwork Is oil fuel carried in the double bottom under boiler - Smallest distance between base of boiler and tank top plating -  
 Boilers placed on platform yes Is the base of the boiler insulated yes Largest internal dia. of boiler - Height -  
 Shell plates: Material - Tensile strength - Thickness -  
 Are the shell plates welded or flanged - Description of riveting: circ. seams - long. seams -  
 Dia. of rivet holes in - Pitch of rivets - Percentage of strength of circ. seams - of Longitudinal joint -  
 Working pressure of shell by rules - Thickness of butt straps -  
 Shell Crown: Whether complete hemisphere, dished partial spherical, or flat - Material -  
 Tensile strength - Thickness - Radius - Working pressure by rules -  
 Description of Furnace: Plain, spherical, or dished crown - Material - Tensile strength -  
 Thickness - External diameter - Length as per rule - Working pressure by rules -  
 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 - Working pressure by rule -  
 Thickness of Ogee Ring - Diameter as per rule - Working pressure by rule -  
 Combustion Chamber: Material - Tensile strength - Thickness of top plate -  
 Radius if dished - Working pressure by rule - 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 - Working pressure of back plate by rules -  
 Tube Plates: Material - Tensile strength - Thickness - Mean pitch of stay tubes in nests -  
 If comprising shell, Dia. as per rule - Pitch in outer vertical rows - Dia. of tube holes FRONT - BACK -  
 Is each alternate tube in outer vertical rows a stay tube - Working pressure by rules -  
 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 - Working pressure by rule -



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**Crown stays:** Material ☒ Tensile strength ☒ Diameter ☒ at body of stay, or over threads ☒  
 No. of threads per inch ☒ Area supported by each stay ☒ Working pressure by rules ☒  
**Screw stays:** Material ☒ Tensile strength ☒ Diameter ☒ at turned off part, or over threads ☒ No. of threads per inch ☒  
 Area supported by each stay ☒ Working pressure by rules ☒ Are the stays drilled at the outer ends ☒  
**Tubes:** Material ☒ External diameter ☒ plain stay ☒ Thickness ☒  
 No. of threads per inch ☒ Pitch of tubes ☒ Working pressure by rules ☒  
**Manhole Compensation:** Size of opening in shell plate ☒ Section of compensating ring ☒ 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,

ARTISJELSKABET  
NAKSKOV SKIBSVÆRFT

Manufacturer.

Dates of Survey while building ☒ During progress of work in shops ☒  
☒ During erection on board vessel ☒

Is the approved plan of boiler forwarded herewith (If not state date of approval.)

Total No. of visits 15

Is this Boiler a duplicate of a previous case yes If so, state Vessel's name and Report No. St. George. Ocean cargo (No 82-88)

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This boiler has been fitted on board under special survey in accordance with the Rules  
2 duplex steam feed pumps 4" x 2 3/4" x 5" has been fitted to the boiler  
The donkey boiler is supplying steam for the heating system in the accommodation for the brine heater.

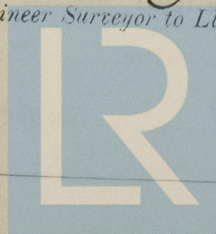
Survey Fee ... on main report When applied for, ☒ 19  
 Travelling Expenses (if any) £ ☒ When received, ☒ 19

Committee's Minute

Assigned

See Gm J.C. 10588

J. Langkilde Jensen.  
Engineer Surveyor to Lloyd's Register of Shipping.



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