

# REPORT ON BOILERS.

No. 3325.

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Date of writing Report 5/4 1954 • When handed in at Local Office 8/4 1954 • Port of MALMÖ.  
No. in Survey held at MALMÖ. Date, First Survey 18/1 Last Survey 31/3 1954.  
Reg. Book. 6109s on the Motortanker "H A V J A R L" (Number of Visits 4) Gross 11,079 Tons Net 6,408  
Master --- Built at Malmö. By whom built Kockums M.V. A.-B. Yard No. 366 When built 1954.  
Engines made at Malmö. By whom made Kockums Mek. Verkstads A.-B. Engine No. 673 When made 1954.  
Boilers made at Gothenburg. By whom made A.-B. Lindholmens Varv Boiler No. 3004/5 When made 1953.  
Nominal Horse Power --- Owners A/S Havprins Port belonging to Oslo.

## MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel --- (Letter for Record ---)  
Total Heating Surface of Boilers --- Is forced draught fitted Yes. Coal or Oil fired Oil fired.  
No. and Description of Boilers --- Working Pressure 150 lbs/sq"  
Tested by hydraulic pressure to --- Date of test --- No. of Certificate --- Can each boiler be worked separately Yes. ✓  
Area of Firegrate in each Boiler --- No. and Description of safety valves to each boiler 2 direct spring loaded. ✓  
Area of each set of valves per boiler { per Rule 12.577 ✓  
as fitted 15700 mm ✓ Pressure to which they are adjusted 150 lbs/sq ✓ they fitted with easing gear Yes. ✓  
In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No main boiler.  
Smallest distance between boilers or uptakes and bunkers or woodwork --- Is oil fuel carried in the double bottom under boilers. ---  
Donkey boilers placed on a platform aft in E.R. Yes.  
Smallest distance between shell of boiler and tank top plating --- Is the bottom of the boiler insulated.  
Largest internal dia. of boilers --- Length --- Shell plates: Material --- Tensile strength ---  
Thickness --- Are the shell plates welded or flanged --- Description of riveting: circ. seams { end ---  
long. seams --- Diameter of rivet holes in { circ. seams --- Pitch of rivets { ---  
Percentage of strength of circ. end seams { plate --- Percentage of strength of circ. intermediate seam { plate ---  
rivets --- rivets ---  
Percentage of strength of longitudinal joint { plate --- Working pressure of shell by Rules ---  
rivets --- combined ---  
Thickness of butt straps { outer --- No. and Description of Furnaces in each Boiler ---  
inner --- Tensile strength --- Smallest outside diameter ---  
Material --- Thickness of plates { crown --- Description of longitudinal joint ---  
Length of plain part { top --- bottom --- Working pressure of furnace by Rules ---  
Dimensions of stiffening rings on furnace or c.c. bottom ---  
End plates in steam space: Material --- Tensile strength --- Thickness --- Pitch of stays ---  
How are stays secured --- Working pressure by Rules ---  
Tube plates: Material { front --- Tensile strength --- Thickness { ---  
back --- Pitch across wide water spaces --- Working pressure { front ---  
back ---  
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 Rules --- Combustion chamber plates: Material ---  
Tensile strength --- Thickness: Sides --- Back --- Top --- Bottom ---  
Pitch of stays to ditto: Sides --- Back --- Top --- Are stays fitted with nuts or riveted over ---  
Working pressure by Rules --- Front plate at bottom: Material --- Tensile strength ---  
Thickness --- Lower back plate: Material --- Tensile strength --- Thickness ---  
Pitch of stays at wide water space --- Are stays fitted with nuts or riveted over ---  
Working pressure --- Main stays: Material --- Tensile strength ---  
Diameter { At body of stay --- No. of threads per inch --- Area supported by each stay ---  
or ---  
Over threads --- Screw stays: Material --- Tensile strength ---  
Working pressure by Rules --- Diameter { At turned off part, --- No. of threads per inch --- Area supported by each stay ---  
or ---  
Over threads ---



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