

REPORT ON BOILERS.

Received at London Office

12 JUN 1952

Rules...
Date of writing Report 7th June, 1952. When handed in at Local Office 11th June 1952. Port of M A L M Ö
No. in Survey held at Malmö Date, First Survey 19.4.52 Last Survey 28.5.52 19
Reg. Book. (Number of Visits 6) Gross 10,628
41109s on the M/T "SOYA-MARGARETA" Tons Net 7,906
Master Built at Malmö By whom built Kockums Mek. Verk. AB Yard No. 343 When built 1952
Engines made at Malmö By whom made Kockums Mek. Verkstads AB Engine No. 620 When made 1952
Boilers made at Wallsend-on-Tyne By whom made Wallsend Shipway & Eng. Co. Ltd. Boiler No. 438 B When made 1951
Nominal Horse Power - Owners Rederi A.-B. Soya Port belonging to Stockholm

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
No. and Description of Boilers Working Pressure 180 lbs.
Tested by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately
Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 2, spring loaded
Area of each set of valves per boiler per Rule 6700 mm² as fitted 7996 mm² Pressure to which they are adjusted 180 lbs. Are they fitted with easing gear yes
In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler -
Smallest distance between boilers or uptakes and bunkers or woodwork - Is oil fuel carried in the double bottom under boilers -
The boilers are placed on a platform at aft end of M.F. Is the bottom of the boiler insulated yes
Smallest distance between shell of boiler and tank top plating
Largest internal dia. of boilers Length Shell plates: Material Tensile strength
Thickness Arc the shell plates welded or flanged Description of riveting: circ. seams end inter.
long. seams Diameter of rivet holes in circ. seams long. seams Pitch of rivets
Percentage of strength of circ. end seams plate rivets Percentage of strength of circ. intermediate seam plate rivets
Percentage of strength of longitudinal joint plate rivets combined Working pressure of shell by Rules
Thickness of butt straps outer inner No. and Description of Furnaces in each Boiler
Material Tensile strength Smallest outside diameter
Length of plain part top bottom Thickness of plates crown bottom Description of longitudinal joint
Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules
End plates in steam space: Material Tensile strength Thickness Pitch of stays
How are stays secured Working pressure by Rules
Tube plates: Material front back Tensile strength Thickness
Mean pitch of stay tubes in nests 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
n 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 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



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Working pressure by Rules.....Are the stays drilled at the outer ends.....Margin stays: Diameter { At turned off part,.....
 No. of threads per inch.....Area supported by each stay.....Working pressure by Rules.....
 Tubes: Material.....External diameter { Plain.....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.....Steam Dome: Material.....
 Tensile strength.....Thickness of shell.....Description of longitudinal joint.....
 Diameter of rivet holes.....Pitch of rivets.....Percentage of strength of joint { Plate.....
 Internal diameter.....Working pressure by Rules.....Thickness of crown.....No. and diameter of Engines made.....
 stays.....Inner radius of crown.....Working pressure by Rules.....Boilers made.....
 How connected to shell.....Size of doubling plate under dome.....Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell.....Nominal Ho.....

Type of Superheater.....None.

Manufacturers of

Tubes.....
 Steel forgings.....
 Steel castings.....

Number of elements.....Material of tubes.....Internal diameter and thickness of tubes.....

Material of headers.....Tensile strength.....Thickness.....Can the superheater be shut off and the boiler be worked separately.....Is a safety valve fitted to every part of the superheater which can be shut off from the boiler.....

Area of each safety valve.....Are the safety valves fitted with casing gear.....Working pressure as per Rules.....Pressure to which the safety valves are adjusted.....Hydraulic test pressure:

tubes.....forgings and castings.....and after assembly in place.....Are drain cocks or valves fitted to free the superheater from water where necessary.....

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with.....

The foregoing is a correct description,

MEKANISKA VERKETADS AKTIEBOLAG

Manufacturers

Dates of Survey while building { During progress of work in shops - - } - - - - - Are the approved plans of boiler and superheater forwarded herewith.....
 { During erection on board vessel - - - } 19.4.52, 29.4.52, 13.5.52, 16.5.52, 17.5.52, 28.5.52. Total No. of visits.....6
 (If not state date of approval.)

Is this Boiler a duplicate of a previous case.....yes.....If so, state Vessel's name and Report No. M/T "AVANCE" Rpt.No.3088

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

These donkey boilers have been built under the survey of the Surveyors to this Society, as per Newcastle-on-Tyne report No.108525 and have been installed onboard under my survey to my satisfaction.
 The workmanship is good, so the quality of material.
 The photostat copy of the mentioned Newcastle-on-Tyne report is returned herewith.

Survey Fee £ : - - - - - } When applied for.....19.....
 Travelling Expenses (if any) £ : : } When received.....19.....

TUES. 8 JUL1952

Committee's Minute.....

Assigned.....See F.E. mchy. spl.

Engineer Surveyor to Lloyd's Register of Shipping.



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