

## REPORT ON BOILERS.

No. 10942

Received at London Office.

2 MAR 1957

Date of writing Report 28.2.1957. When handed in at Local Office. 19. Port of Stockholm

No. in Reg. Book. Survey held at Stockholm Date, First Survey - Last Survey - 19

91790 on the Single Screw Steel Trawler "JALTA" (Number of Visits.....) Tons {Gross. 685 Net. -}

Built at Stockholm By whom built AB Finnboda Varf Yard No. 366 When built 1957

Engines made at Stockholm By whom made AB Finnboda Varf Engine No. 1362 When made 1956

Boilers made at Gothenburg By whom made AB Lindholmens Varv Boiler No. 3135 When made 1956

MN as per Rule - Owners U.S.S.R. Port belonging to Murmansk

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

Manufacturers of Steel

Total Heating Surface of Boilers Of Superheaters

Total for Register Book Is forced draught fitted No. 22156 Coal or Oil fired

No. and Description of Boilers Working Pressure

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

Area of each set of valves per boiler {per Rule..... Pressure to which they are adjusted 15.7 kg/cm<sup>2</sup> 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 400 mm Is oil fuel carried in the double bottom under boilers No

Smallest distance between boilers or uptakes and bunkers or woodwork - Is the bottom of the boiler insulated Yes

Largest internal dia. of boilers Length Shell plates: Material Tensile strength

If fusion welded, state name of welding Firm Have all the requirements of the Rules for Class I vessels

been complied with Thickness Are 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.....

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 Description of longitudinal joint

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

Tube plates: Material {front..... back..... Tensile strength Thickness {

Mean pitch of stay tubes in nests Pitch across wide water spaces

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 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

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

Main 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



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Are the stays drilled at the outer ends..... Margin stays: Diameter { At turned off part,.....  
or  
Over threads.....

No. of threads per inch.....

Tubes: Material..... External diameter { Plain..... Thickness { No. of threads per inch.....  
Stay.....

Pitch of tubes..... 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.....  
Rivets.....

Internal diameter..... Thickness of crown..... No. and diameter of  
stays..... Inner radius of crown.....

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.....

Type of Superheater..... 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 easing gear..... Yes.....

Pressure to which the safety valves are adjusted..... 16.0 kg/cm<sup>2</sup>..... 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,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - - See Gothenburg Report  
During erection on board vessel - - - See Machinery Report

Are the approved plans of boiler and superheater forwarded herewith..... -  
(If not state date of approval.)

Total No. of visits..... -

Is this Boiler a duplicate of a previous case..... Yes..... If so, state Vessel's name and Report No. "SIMFEROPOL" Report No. 10908

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This boiler has been fitted onboard under my supervision and to my satisfaction and the safety valves for the main boiler and superheaters have been adjusted under steam to 15.7 and 16.0 kg/cm<sup>2</sup> respectively.

Steam accumulation test carried out with satisfactory result. ✓

Survey Fee ... £ No fee. : } When applied for.....19.....  
Travelling Expenses (if any) £ : : } When received.....19.....

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... 1 FRIDAY 5 APR 1937

Assigned..... See Rpt. 1.



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