

REPORT ON BOILERS.

Received at London Office. 31 JAN 1957

Date of writing Report 28/1957 When handed in at Local Office 19... Port of Stockholm

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

90675 on the Single Screw Steel Trawler "SIMFEROPOL" (Number of Visits.....) Tons {Gross 685 Net 224

Built at Stockholm By whom built AB Finnboda Varf Yard No. 365 When built 1956

Engines made at Stockholm By whom made AB Finnboda Varf Engine No. 1350 When made 1956

Boilers made at Gothenburg By whom made AB Lindholmens Varv Boiler No. 3133 When made 1955

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

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel.....

Total Heating Surface of Boilers..... Of Superheaters.....

Total for Register Book..... Is forced draught fitted 22075. Coal or Oil fired.....

No. and Description of Boilers..... Working Pressure.....

Tested by hydraulic pressure to..... 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..... as fitted..... Pressure to which they are adjusted 15.7 kg/cm² 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.....

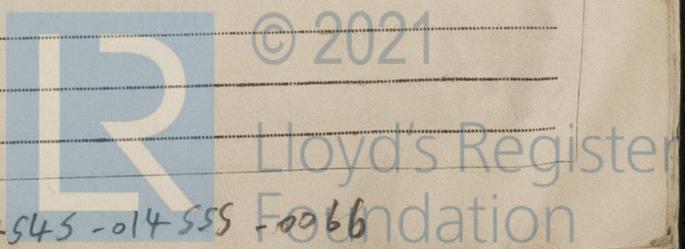
Pitch of stays at wide water space..... Are stays fitted with nuts or riveted over.....

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 $\left\{ \begin{array}{l} \text{At turned off part,} \\ \text{or} \\ \text{Over threads} \end{array} \right.$
 No. of threads per inch.....
 Tubes: Material..... External diameter $\left\{ \begin{array}{l} \text{Plain} \\ \text{Stay} \end{array} \right.$ Thickness..... No. of threads per inch.....
 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 $\left\{ \begin{array}{l} \text{Plate} \\ \text{Rivets} \end{array} \right.$
 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.....

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Type of Superheater..... Manufacturers of $\left\{ \begin{array}{l} \text{Tubes} \\ \text{Steel forgings} \\ \text{Steel castings} \end{array} \right.$
 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/cm²..... 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,

Dates of Survey while building $\left\{ \begin{array}{l} \text{During progress of work in shops - -} \\ \text{During erection on board vessel - - -} \end{array} \right.$ See Gothenburg Report 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. "KLAIPEDA", Report No. 10865

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/cm² respectively.

Steam accumulation test carried out with satisfactory result.

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

M. Lund
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... FRIDAY - 1 MAR 1957

Assigned *S. Rpt. 1.*

