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REPORT ON BOILERS.

No. 11907

Received at London Office **MONDAY 2 MAR 1959**

Date of writing Report 24.2 1959 When handed in at Local Office 19 Port of Stockholm

No. in Book 887 Survey held at Gävle Date, First Survey - Last Survey - 1958

on the M/S "PAMIR" (Number of Visits -) Tons { Gross 1443
Net 420

at Gävle By whom built A/B Gävle Varv Yard No. 99 When built 11-1958

Engines made at - By whom made - Engine No. - When made -

Boilers made at - By whom made - Boiler No. - When made -

Rules per Rule - Owners U.S.S.R. Port belonging to Leningrad

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY, OR~~ DONKEY.

Manufacturers of Steel Gothenburg Rpt. No. 24096.

Total Heating Surface of Boilers - Of Superheaters None

Is forced draught fitted No Coal or Oil fired Oil Fired

Description of Boilers One single ended multitubular Working Pressure 6 kg/cm²

Tested by hydraulic pressure to - Date of test - No. of Certificate - Can each boiler be worked separately -

No. of Firegrate in each Boiler None No. and Description of safety valves to each boiler One double spring loaded

No. of each set of valves per boiler { per Rule. See Got. Rpt.
as fitted. " " " Pressure to which they are adjusted 6 kg/cm² Are they fitted with easing gear Yes

Best distance between boilers or uptakes and bunkers 710 mm Is oil fuel carried in the double bottom under boilers No

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

Shell plates: Material - Tensile strength -

Are the shell plates welded or flanged - Description of riveting: circ. seams { end -
inter -

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 -

No. and Description of Furnaces in each Boiler 24096

Tensile strength - Smallest outside diameter -

Thickness of plates - Description of longitudinal joint -

Dimensions of stiffening rings on furnace or c.c. bottom -

Material - Tensile strength - Thickness - Pitch of stays -

Are stays secured -

Material { front -
back - Tensile strength - Thickness {

Pitch of stay tubes in nests - Pitch across wide water spaces -

Material - Tensile strength - Depth and thickness of girder -

Length as per Rule - Distance apart - No. and pitch of stays -

Combustion chamber plates; Material -

Thickness: Sides - Back - Top - Bottom -

of stays to ditto: Sides - Back - Top - Are stays fitted with nuts or riveted over -

Material - Tensile strength -

Lower back plate: Material - Tensile strength - Thickness -

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

Material - Tensile strength -

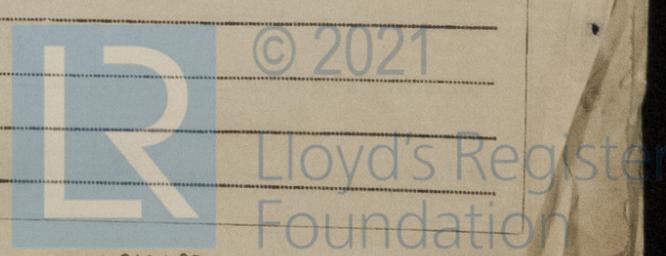
At body of stay - No. of threads per inch -

Over threads -

Material - Tensile strength -

At turned off part - No. of threads per inch -

Over threads -



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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 No. 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.....

Pressure to which the safety valves are adjusted..... Hydraulic test pressure.....
 tubes..... forgings and castings..... and after assembly in place..... Are drain cocks on
 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..... Yes

GOTHEMBURG RPT 40. 24096

The foregoing is a correct description,

 Manufacturer

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

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

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

This boiler has been fitted onboard in accordance with the Rules and to our satisfaction and the workmanship is good.

Accumulation tests carried out with satisfactory results.

Survey Fee £ No charge } When applied for, 24.2.19.59
 Travelling Expenses (if any) £ : " : } When received19.....

W. J. E. E. E.
 Engineer Surveyor to Lloyd's Register of Shipping.

FRIDAY 10 APR 1959

Committee's Minute.....

Assigned..... See Apt. 1.

