

Rpt. 5a.

## REPORT ON BOILERS.

No. 59236

Received at London Office.....

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

No. in Reg. Book..... Survey held at.....Rotterdam..... Date, First Survey..... Last Survey.....26-8-.....1964

(Number of Visits.....) Tons { Gross...12451.19  
Net...5968.87

on the s.s. "POOLSTER"

Built at.....Rotterdam..... By whom built.....De Rotterdamsche Droogdok Mij. N.V. Yard No. 307 When built.....1964

Engines made at.....Rotterdam..... By whom made.....De Rotterdamsche Droogdok Mij. Engine No. 363 When made.....1964

Boilers made at.....Rotterdam..... By whom made.....De Rotterdamsche Droogdok Mij. Boiler No. .... When made.....1964

MN as per Rule..... Owners.....Ministerie van Defensie (Marine) Port belonging to.....Den Helder.

## MULTITUBULAR BOILERS MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel.....

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

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

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.....10 kg./cm<sup>2</sup> Are they fitted with easing gear.....yes  
as fitted.....

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler.....no

Smallest distance between boilers or uptakes and bunkers or woodwork..... Is oil fuel carried in the double bottom under boilers.....

Smallest distance between boilers or uptakes and bunkers or woodwork.....N.A. 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..... Pitch of rivets {  
long. seams.....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.....  
rivets..... combined.....Thickness of butt straps { outer..... No. and Description of Furnaces in each Boiler.....  
inner.....

Material..... Tensile strength..... Smallest outside diameter.....

Length of plain part { top..... Thickness of plates..... Description of longitudinal joint.....  
bottom.....

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..... Tensile strength { Thickness {  
back.....

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..... No. of threads per inch.....  
or  
Over threads.....

Screw stays: Material..... Tensile strength.....

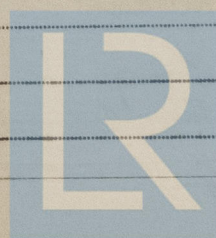
Diameter { At turned off part..... No. of threads per inch.....  
or  
Over threads.....

If not, state whether, and when, one will be sent?

Is a Report also sent on the Hull of the Ship?

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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.....  
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,

Manufacturer.....

Dates of Survey { During progress of work in shops - - } Are the approved plans of boiler and superheater forwarded herewith.....26-2-'63  
while building { During erection on board vessel - - } (If not state date of approval.)  
21-6-'63 ; 26-8-'64 Total No. of visits.....2

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

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

This boiler has been satisfactorily installed in the vessel. The safety valves have been adjusted  
under steam to the approved working pressure, oil burning installation and remote controls  
examined working and found in accordance with the Society's Rules.  
An accumulation test has been carried out with satisfactory results.  
In my opinion this boiler merits the approval of the Committee to be entered in the Society's  
Register Book with notation "Donkey Boiler" 10 kg./cm<sup>2</sup>.

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

E.M. Dudock.

Engincer Surveyor to Lloyd's Register of Shipping.

Committee's Minute.....WEDNESDAY 23 DEC 1964

Assigned.....See Rpt. 1.



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