

REPORT ON BOILERS.

No. 8470.

Received at London Office

31 DEC 1951

by Ru
Pressure
Actual
Survey held at
Date, First Survey
Last Survey
Port of
Stockholm.
27.12. 51. When handed in at Local Office.
19 51.
Survey held at
Norrköping
Date, First Survey
29.8.51
Last Survey
17.10. 19 51.
(Number of Visits
5
Gross
1113
Tons
Net
523
on the
m/t "IRTISH"
Built at
Norrköping
By whom built
A/B Norrköpings Varv & Verkstad
Yard No. 136
When built
1951
made at
Trollhättan
By whom made
Nydqvist & Holm A/B
Engine No. 1324
When made
1951
made at
Lübeck
By whom made
Lübecker-Maschinenbau-Gesellschaft
Boiler No. 1441
When made
1950
Horse Power
202
Owners
U.S.S.R.
Port belonging to
Vladivostok.

TUBULAR BOILERS ~~MAIN, AUXILIARY, OR DONKEY~~

Manufacturers of Steel
Heating Surface of Boilers
Is forced draught fitted
Coal or Oil fired
Description of Boilers
Working Pressure
by hydraulic pressure to
Date of test
No. of Certificate
Can each boiler be worked separately
Firegrate in each Boiler
No. and Description of safety valves to each boiler
Pressure to which they are adjusted
175 lbs/in²
Are they fitted with easing gear
Yes
of each set of valves per boiler
per Rule
as fitted
of donkey boilers, state whether steam from main boilers can enter the donkey boiler
Is oil fuel carried in the double bottom under boilers
Is the bottom of the boiler insulated
Yes
distance between boilers or uptakes and bunkers or woodwork
3000 mm.
Is the bottom of the boiler insulated
Yes
internal dia. of boilers
Length
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. intermediate seam
plate
rivets
Working pressure of shell by Rules
of strength of circ. end seams
plate
rivets
of strength of longitudinal joint
plate
rivets
combined
No. and Description of Furnaces in each Boiler
Tensile strength
Smallest outside diameter
of plain part
top
bottom
Thickness of plates
crown
bottom
Description of longitudinal joint
Working pressure of furnace by Rules
of stiffening rings on furnace or c.c. bottom
Material
Tensile strength
Thickness
Pitch of stays
Working pressure by Rules
Material
Tensile strength
Thickness
Pitch across wide water spaces
Working pressure
front
back
to combustion chamber tops: Material
Tensile strength
Depth and thickness of girder
Length as per Rule
Distance apart
No. and pitch of stays
Working pressure by Rules
Combustion chamber plates: Material
Thickness: Sides
Back
Top
Bottom
Are stays fitted with nuts or riveted over
Front plate at bottom: Material
Tensile strength
Lower back plate: Material
Tensile strength
Thickness
Are stays fitted with nuts or riveted over
Main stays: Material
Tensile strength
No. of threads per inch
Area supported by each stay
Screw stays: Material
Tensile strength
No. of threads per inch
Area supported by each stay

Working pressure by Rules..... Are the stays drilled at the outer ends..... Margin stays: Diameter { At turned off part, or Over threads.....
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
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..... Working pressure by Rules..... Thickness of crown..... No. and
stays..... Inner radius of crown..... Working pressure by Rules.....
How connected to shell..... Size of doubling plate under dome..... Diameter of rivet hole
of rivets in outer row in dome connection to shell.....

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 sh
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 pres
Rules..... Pressure to which the safety valves are adjusted..... Hydraulic tes
tubes..... forgings and castings..... and after assembly in place..... Are dra
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 { During progress of work in shops - - - - - Are the approved plans of boiler and superheater forwarded herewith..... No. internal dia. of
while building { During erection on board vessel - - - 29/8 - 17/10 1951 Total No. of visits..... 5..... 18 mm
treble, wi
rivets in

Is this Boiler a duplicate of a previous case..... Yes..... If so, state Vessel's name and Report No. Skm. No. 8072, m/t "ISHIM"
ge of strength

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 its safety valves have
been adjusted to 175 lbs/sq.in.

Marks on boiler:- LLOYD'S No. 391 (N.F.C) W.F.C. 14.12.50

Please, see Hamburg Report No. 1449, respecting the boiler.

NOTE:-

Steam smothering with remote control is installed under the boiler.

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

Committee's Minute..... TUES. 29 JAN 1952

Assigned..... See F.E. note, etc.

Engineer Surveyor to Lloyd's Register of Shipping



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