

Received at London Office **31 AUG 1944**

imal Horse Power. ~~150~~ 306 Owners KONINKL. NEDERL. STOOMB. MAATS. N.V. Port belonging to AMSTERDAM
(ROYAL NETHERLANDS. S. S. CO)

ULTRATUBULAR BOILERS—MAIN, ~~AUXILIARY~~, OR DONKEY.

Overreads 39,68/36,49

Working pressure by Rules. 2374 Are the stays drilled at the outer ends no Margin stays: Diameter { At turned off part, 41 mm
or
Over threads 44.
No. of threads per inch 9 Area supported by each stay 540" Working pressure by Rules 330 lbs
Tubes: Material STEEL External diameter { Plain 63.5 Thickness { 4 No. of threads per inch 9
Stay 63.5 4.5 - 7
Pitch of tubes 92 Working pressure by Rules 300 lbs Manhole compensation: Size of opening
shell plate 300/400 Section of compensating ring flanged plate 760/860 No. of rivets and diameter of rivet holes 36 35 diam
Outer pitch at ends 200 Depth of flange if manhole flanged 100 Steam Dome: Material none
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 diameter
stays — Inner radius of crown — Working pressure by Rules —
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 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 shut off at
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 — Working pressure as per
Rules — Pressure to which the safety valves are adjusted — Hydraulic test pressure
tubes — forgings and castings — and after assembly in place — Are drain cocks
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,

Manufactured

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

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 NO If so, state Vessel's name and Report No. —

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

The boilers of this vessel were originally built under Special Survey to the Rules of the "GERMANISCHER LLOYD" and maintained under such Rule until outbreak of present hostilities, but since then under "LLOYD'S REGISTER OF SHIPPING'S" year to year examination.

All dimensions and other information shown in this Report are taken from original drawings found on board the vessel - dimensions have been checked to such extent as possible during present overhaul of the boilers and found to correspond with those on the drawings.

All measurements are "METRIC".

All workmanship, as far as seen, appears to be very good throughout and the boilers are in a very well kept up condition.

Two copies of plan of main boiler attached.

The boilers have been completely examined internally and externally, overhauled (all plain tubes renewed) and tested hydrostatically to 250 lbs. during March and April 1944 at this Port. They are now in good working condition and eligible in my opinion to be classed and included in the LMC 4,44 notation mentioned in Report 4 of even date.

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

C. J. M. S. L.
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute NEW YORK AUG 9 1944

Assigned See attached Report.



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Foundation