

JUN 15 1939

004573-004578-0068

Working pressure by Rules *84 lb./sq. in.* Are the stays drilled at the outer ends *No* Margin stays: Diameter { At turned off part, *1 3/4"* or Over threads *1 3/4"*
No. of threads per inch *9* Area supported by each stay *52546 7/8*² Working pressure by Rules *15.6 kg/cm²*
Tubes: Material *Gunmetal* External diameter { Plain *2 1/2"* Thickness *3/8"* x *5/16"* No. of threads per inch *9*
OIL FIRED EXHAUST FIRED { Stay *2 1/2"*
Pitch of tubes *90 7/8 x 92 7/8* *90 7/8 x 90 7/8* Working pressure by Rules *230 lb./sq. in.* *16 kg/cm²* Manhole compensation: Size of opening in shell plate *405 7/8 x 506 7/8* Section of compensating ring *Flanged* No. of rivets and diameter of rivet holes *46 7/8 - 28 7/8*
Outer row rivet pitch at ends *127 7/8* Depth of flange if manhole flanged *75 7/8* 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 diameter of 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 *✓* 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 *✓* 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 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 *yes*

The foregoing is a correct description,

FACTIESELSKABET HELSINGFORS JERNSKIDSK- OG MASKINBYGGERI Manufacturer.

Dates of Survey { During progress of *1938: 18/1 - 19/1 - 20/1 - 21/1 - 22/1 - 23/1 - 24/1 - 25/1 - 26/1 - 27/1 - 28/1 - 29/1 - 30/1* Are the approved plans of boiler and superheater forwarded herewith *yes* (If not state date of approval.)
while building { During erection on board vessel *23/1 - 24/1 - 25/1 - 26/1 - 27/1 - 28/1 - 29/1 - 30/1* Total No. of visits *20*

Is this Boiler a duplicate of a previous case *yes* If so, state Vessel's name and Report No. *STINLESTAD 456 - Gen. Rpt. 10695*
LUCELLUM 456 - 10769

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

These donkey boilers have been built by Messrs *F. Helsingors Jernskids- og Maskinbyggeri, Elsinore*, and installed on board by the builder Messrs *Odense Skibsskibsvaerk, Odense*, under special survey and in accordance with the requirements of the Rules, the approved plan and the Secretary's letters E dated *3/6 - 10/8* and *23/8 1938*.

The material has been tested as required by the Rules, as per certificates produced and the workmanship is good.

Recommend the vessel to have notation of *20.B 180 lb* in the Register Book.

Survey Fee ... *£2. 6. 16.* When applied for, *14. 6. 1939*
Travelling Expenses (if any) *£2. 63. 00* When received, *31/7 1939*

MR 3/8

Christoph. L. L. L.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI 23 JUN 1939

Assigned

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