

REPORT ON BOILERS.

No. 2217.

10 MAY 1944

26th April 44.

27th April 44.

Malmö.

Malmö

22nd Oct, 1943.

30th March, 44.

Single Sump Motor Tanker "SVERBORG"

Malmö

Hockmors M.V.A. B.

26.

8597.

5144.

1944

1944

1944

Malmö

Hockmors M.V.A. B.

341

Malmö

Hockmors M.V.A. B.

995/96

1941

Stockholm Rederi A.B. Svea

Port belonging to

Stockholm.

Tensile strength tests

MULTIPLE BOILERS—MAIN AUXILIARY, OR DONKEY.

Malmö. Vithovics Mins Steel & Ironworks Corp. Vithovics.

2 x 122 = 244 mi².

Yes

Coat or Oil fired

Oil

Iron S.O. ✓

306 lbs/□"

17.1.1944

No. of Certificate

125 & 126

2. Direct spring loaded.

173 lbs/□"

Yes.

5900 mm² 5710.

7697

3400 mm

str. 3400 mm

Material

Steel.

Yes.

43.9-44.7 kg/mm²

22.5 mm

S.R. Del. S.

68.6 %

46.7 %

86.3 %

86.3 %

89.8 %

17 mm

20 mm

Steel.

41.3-45.4 kg/mm²

Inner corrugated.

1076 mm

Welded.

12.2 kg/cm²

Del. nuts and washers.

Steel

44.5-45.3 kg/mm²

44.5-45.3 kg/mm²

44.5-45.3

330 mm

49.0-50.0 kg/mm²

210 mm

2 (180 x 20) mm

2-228 mm

43.4-45.3 kg/mm²

228-176-210 mm

12.0 kg/cm²

22 mm

330 x 216 mm

17.8 kg/cm²

2 3/8" x 3"

12.6 kg/cm²

1 1/2", 1 7/8"

Steel

Steel

9

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Lloyd's Register Foundation

003450-003457-0237

10 MAY 1944

Working pressure by Rules 12.9 kg. cm^2 ✓
 Thickness 8 mm. ✓
 Diameter 57560 mm^2 ✓
 No. of threads per inch $11\frac{1}{2}, 1\frac{1}{8}, 1\frac{3}{4}$ ✓
 Material Steel ✓
 Working pressure by Rules 12.5 kg. cm^2 ✓
 Thickness 8 mm. ✓
 Diameter 14040 mm^2 ✓
 No. of threads per inch 12 kg. cm^2 ✓
 Size of tubes $39 \times 92 \text{ mm.}$ ✓
 Working pressure by Rules 12.5 kg. cm^2 ✓
 Thickness 8 mm. ✓
 Diameter $44-26 \text{ mm.}$ ✓
 Size of shell $400 \times 500 \text{ mm.}$ ✓
 Working pressure by Rules 12.5 kg. cm^2 ✓
 Thickness 8 mm. ✓
 Diameter 190 mm. ✓
 Size of flange if manhole flanged 82 mm. ✓
 Description of constructional joint ✓
 Patch of rivets ✓
 Working pressure by Rules ✓
 Thickness of rivets ✓
 Internal diameter ✓
 Working pressure by Rules ✓
 Thickness of rivets ✓
 Size of doubling plate under dome ✓
 Diameter of rivet holes and pitch ✓
 Type of Superheater ✓
 Manufacturer of ✓
 Material of tubes ✓
 Internal diameter and thickness of tubes ✓
 Tensile strength ✓
 Thickness ✓
 Can the superheater be shut off ✓
 Is a safety valve fitted to every part of the superheater which can be shut off from the boiler ✓
 Are the safety valves fitted with co-acting gear ✓
 Working pressure at ✓
 Pressure to which the safety valves are adjusted ✓
 Hydraulic test pressure ✓
 Are drain cocks ✓
 Are drain cocks ✓
 Have all the requirements of Section 14 to 22 inclusive for boilers been complied with ✓

The foregoing is a correct description.

Hockmeyer Mek. Verkestad G.B.
 signed G. Lundegård / Kurt Loderlund.

Approved 10.2.44

Date of survey $22/10, 27/10, 11/11, 14/11, 9/12, 17/12, 24/11, 25/11, 29/11, 1/12$
 Drawing progress of work by shops $2/12, 9/12, 10/12, 14/12, 27/12, 29/12, 7/1, 12/1, 17/1, 18/1$
 Drawing section on board vessel $10/2, 25/2, 10/3, 27/3, 30/3, 1944$
 Total No. of trials 26

Is this boiler a duplicate of a previous case Yes ✓
 If so, state Vessel's name and Report No. $\text{M/T "JULIAN", Rpt. No. 2189.}$

GENERAL REMARKS

These donkey boilers have been built under special survey in accordance with the Rules and approved plans.
 The materials used have been tested as per Rule and the workmanship is good.
 An exhaust gas economiser, as per Cert. Gov. enclosed herewith, heated by exhaust gas from top end of the main engine cylinders, has also been installed.
 The economiser is fitted with a double 75 mm. safety valve which has been adjusted to the safe working pressure.
 Because the economiser is working with a working pressure of 7 kg. cm² only, the same can not be used when the donkey boiler pressure is above 7 kg. cm².

Survey No. $332:50$ When applied for 27^{th} April 44.
 Drawing No. 19 When received

Abundén, A. Börning
 Engineer in Charge to Lloyd's Register of Shipping

FRI. 14 JUL 1944
 see memo on H.Rpt.