

## REPORT ON BOILERS.

No. 620.

Received at London Office

23 DEC 1924

Date of writing Report 17<sup>th</sup> Dec. 1924 When handed in at Local Office 17<sup>th</sup> Dec. 1924 Port of Ufaalms.

No. in Survey held at Helsingborg & Karlshamn Date, First Survey 26<sup>th</sup> October 23 Last Survey 5<sup>th</sup> November 1924

Reg. Book. 88679 on the Steel Motor vessel "EPOCA" (Number of Visits 4) Gross 1025 Tons Net 582

Master Built at Karlshamn By whom built A.B. Karlshamns Skeppsvärk When built 1924

Boiler made at Helsingborg By whom made Helsingborgs Värp- & Sötsnings A.B. When made 1922

Owners Akties. Gärnsten & Co Port belonging to Christiania

## VERTICAL DONKEY BOILER

No. One

Description Vertical

Manufacturers of steel Stensnäs Jernverk A.B.

made at Helsingborg By whom made Helsingborgs Värp- & Sötsnings A.B. When made 1922 Where fixed Karlshamn Working pressure 90 lbs.

tested by hydraulic pressure to 180 lbs. Date of test 26/10/23 No. of Certificate 257 Fire grate area 12.56 sq. ft. Description of safety valves Spring loaded.

No. of safety valves 2 Area of each 33.18 sq. in. Pressure to which they are adjusted 95 lbs. sq. in. If fitted with easing gear If steam from main boilers can enter the donkey boiler

Dia. of donkey boiler 17.50 in. Length 31.65 in. Material of shell plates Thickness 9 in. Range of tensile strength

Descrip. of riveting long. seams Double riv. lap Dia. of rivet holes 21 in. Whether punched or drilled Pitch of rivets 65 in.

up of plating 95 in. Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates 18 in.

Radius of do. 2200 in. No. of Stays to do. 4 Dia. of stays 48 in. Diameter of furnace Top of complicated form as per plan. Bottom Length of furnace

Thickness of furnace plates 10 in. Description of joint Single riv. lap Working pressure of furnace by rules Thickness of furnace crown plates 16 in. Radius of do.

Stayed by Tubes Diameter of uptake 460 in. Thickness of uptake plates 10 in.

Thickness of water tubes Stay tubes 6 in.

The foregoing is a correct description,  
Helsingborgs Värp- & Sötsnings Aktiebolag Manufacturer.

*[Signature]*

Is the approved plan of boiler forwarded herewith yes.

## GENERAL REMARKS

(State quality of workmanship, opinions as to class, &amp;c.)

This donkey boiler was built in 1922 under the supervision of the Bureau Veritas Surveyors and tested by these gentlemen to 180 lbs. per sq. inch hydraulic pressure. The plan was approved as per Secretary's letter int. E of 24<sup>th</sup> Oct. 23.

The boiler has been examined throughout and found in good working condition. The scantlings have been compared with the plan and found in order. Workmanship good.

The stop valve is self closing.

The boiler has been fitted for burning oil fuel and the rule requirements for boilers fitted for burning oil fuel have been complied with, except the remaining requirements, as below.

Working pressure 90 lbs. per square inch.

When the vessel left Karlshamn for Aalborg, Denmark, the following requirements remained to be complied with, viz.:— Controlling gear to be fitted to the fire extinguishing valve. Easing gear to be fitted to the safety valves. The safety valve waste steam pipe to be rearranged. Saw alls to be fitted in way of the oil fuel burners.

The Copenhagen Surveyors were informed accordingly. Please see Rpt. 4 attached.

The following marks were found on the boiler:—

No. 87  
Bureau Veritas.  
W. Pressure 90 lbs.  
Hydraulic P. 180 lbs.  
HLSB 25/10 22 C.G.H.

Survey Fee ... 4 in. : 100/- : When applied for, 17/12 1924

Travelling Expenses (if any) £ : : When received, 20/12 1924

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUES. 20 JAN 1925

FRI. 13 FEB 1925

Assigned

Lloyd's Register  
Foundation