

REPORT ON BOILERS.

No. 620.

Date of writing Report 17th Dec 1924 When handed in at Local Office 17th Dec 1924 Port of Malmö. 23 DEC 1924
 No. in Survey held at Helsingborg & Karlskrona Date, First Survey 5th March 1924 Last Survey 5th November 1924
 Reg. Book. 88679 on the Steel Motor vessel "EPOCH" (Number of Visits 4)
 Master Built at Karlskrona By whom built A.B. Karlskrona Skeppvarv When built 1924
 (Boiler) made at Helsingborg By whom made Helsingborgs Varv- & Svetsnings A.B. When made 1924
 Owners Akties. Gärnsten & Co. Port belonging to Christiania.

VERTICAL DONKEY BOILER— No. One Description Vertical
 Made at Helsingborg By whom made Helsingborgs Varv- & Svetsnings A.B. When made 1924 Where fixed Karlskrona Working pressure 100 lbs
 tested by hydraulic pressure to 200 Date of test 5th March 1924 No. of Certificate 45 Fire grate area 1256 Description of safety valves Spring loaded.
 No. of safety valves 2 Area of each 33/8 in² Pressure to which they are adjusted 95 lbs If fitted with easing gear If steam from main boilers can
 enter the donkey boiler ✓ Dia. of donkey boiler 1750 mm Length 3165 mm Material of shell plates S.M. Steel Thickness 11 mm Range of tensile
 strength 44-50 kg Descrip. of riveting long. seams Sol. riv. lap Dia. of rivet holes 21 mm Whether punched or drilled drilled Pitch of rivets 68 mm
 Lap of plating 99 mm Per centage of strength of joint Rivets 62 Working pressure of shell by rules 7 kg Thickness of shell crown plates 16 mm
 Radius of do. 1750 mm No. of Stays to do. 4 Dia. of stays 48 mm Diameter of furnace Top of complicated form Bottom Length of furnace
 Thickness of furnace plates 12 mm Description of joint Single riv. lap Working pressure of furnace by rules 41-45.5 kg Thickness of furnace crown
 plates 17.5 mm Radius of do. flat Stayed by solid stays Diameter of uptake 460 mm Thickness of uptake plates 11 mm
 Thickness of water tubes Stay tubes

The foregoing is a correct description,
 Helsingborgs Varv- & Svetsnings Aktiebolag
 Manufacturer.

Dates of Survey while building
 During progress of work in shops - 5/3, 11/3 1924
 During erection on board vessel - 2/11, 5/11 1924
 Total No. of visits 4

Is the approved plan of boiler forwarded herewith Copy retained in London.

GENERAL REMARKS

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

This donkey boiler has been built under the usual conditions in accordance with the plan No. P 833, approved of as per Secretary's letter of the 26th September, 1923, initialed E.

The workmanship is good and the boiler was found tight and sound in every respect when tested to 200 lbs. per square inch hydraulic pressure. Deflection nil.

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 100 lbs per square inch.

When the vessel left Karlskrona for Aalborg, Denmark, the following requirements remained to be complied with, viz.:— Controlling gear to be fitted to the fire retarding valve. The safety valve chest to be repacked to the shell of boiler. Easing gear to be fitted to the safety valves. Saveralls to be fitted in way of the oil fuel burners.

The Copenhagen Surveyors were informed accordingly.

Please also see Rpt. 4th attached.

Remarks on boiler:—

LR
 No. 45
 Lloyd's Test
 200 lbs.
 W.P. 100 lbs.
 5.3.24 G.W.J.

Survey Fee ... £100/- When applied for, 17/12 1924
 Travelling Expenses (if any) £22.80 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

W/1210-0064