

Rpt. 5b.

REPORT ON BOILERS.

No. 28940.
FRI. 2 DEC 1910
WELL 1 JUN 1910

Received at London Office

Date of writing Report 26-5-1910 When handed in at Local Office 28/5/1910 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 14th Jan'y 1910 Last Survey 25 May 1910
 Reg. Book. on the S. Syndie (Number of Visits 13.) Gross 2727
 Blyth S. B. Co. s/s 156 Tons Net 1680
 Master Built at Blyth By whom built Blyth & Bg & Co. Ltd When built 1910
 Boiler made at Annan By whom made Cochran & Co. Annan Ltd When made 1910
 Owners The Syndie Steam Shipping Co Port belonging to Glasgow.

VERTICAL DONKEY BOILER— No. 5120 Description Cochran Pat. Manufacturers of steel Beardmore & Co.
 Made at Annan By whom made Cochran & Co. When made 1910 Where fixed Stokehold Working pressure 90.
 tested by hydraulic pressure to 180 Date of test 25-5-10 No. of Certificate 10415 Fire grate area 26.75 Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 7.6 Pressure to which they are adjusted 90 lbs If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Dia. of donkey boiler 7-0 Length 15-0 Material of shell plates S Thickness $\frac{5}{8}$ - $\frac{17}{32}$ Range of tensile
 strength 28-32 Descrip. of riveting long. seams d l Dia. of rivet holes 29/32 Whether punched or drilled d Pitch of rivets 2-958
 Lap of plating 4 1/2 Per centage of strength of joint Rivets 67-8 Plates 69-3 Working pressure of shell by rules 107 Thickness of shell crown plates 25 - 15
 Radius of do. 3-6 No. of Stays to do. hemisphere Dia. of stays Red Diameter of furnace Top 3-0 Bottom Length of furnace 3-10 1/4
 Thickness of furnace plates 5/8 - 25/32 Description of joint hemisphere & R² R³ Working pressure of furnace by rules 104 Thickness of furnace crown
 plates 5/8 Radius of do. 3-0 Stayed by hemisphere Diameter of uptake 15x23 Thickness of uptake plates 9/16
 Thickness of water tubes Plate F 7/8 B 3/4

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops -- 1910 Jan 14-20 Feb 4-11-18 Mar 17-24 Apr 1-8-20-24 May 13-25
 { During erection on board vessel --
 { Total No. of visits 13.
 Is the approved plan of boiler forwarded herewith Yes.

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

Drawing 7699

The Material & Workmanship is good.
 The boiler has been built under special survey.

Survey request form

No. C204 attached

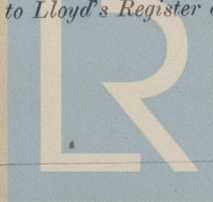
This boiler has now been fitted on board in a satisfactory manner.

Survey Fee ... £ 2 : 2 :
 Travelling Expenses (if any) £ : :When applied for, Monthly asc.
 When received, 19

GLASGOW 31 MAY. 1910

Committee's Minute

Assigned Transmit to London

John H. Heck & J. S. Sells
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.Lloyd's Register
 Foundation

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