

REPORT ON BOILERS.

19 MAR 1928

Bel 9930

No. 47183

Date of writing Report 22nd Oct 1927 When handed in at Local Office 22.10.1927 Port of Glasgow
No. in Survey held at Annan Date, First Survey 9.8.27 Last Survey 21st Oct 1927
Reg. Book. 41490 on the BOILER N° 10425 "KING LID" (Number of Visits 9) Gross 1520 Tons Net 1690
Master Built at Belfast By whom built Harland & Wolff Ltd. When built 1928
Boilers made at Annan By whom made Cochran & Co Annan Ltd. When made 1927
Owners Kingline Ltd. (Dodd, Thomson & Co. Ltd.) Port belonging to London

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Bell & Sons Ltd.
Made at Annan By whom made Cochran & Co Annan Ltd. When made 1927 Where fixed Engine Room Working pressure 100 lbs.
tested by hydraulic pressure to 200 lbs Date of test 21/10/27 No. of Certificate 1642 Fire grate area Description of safety valves Spring loaded.
No. of safety valves 2 Area of each 1.760" Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes Dia. of donkey boiler 3'9" Length 10'0" Material of shell plates Steel Thickness 3/8" Range of tensile strength 26/32 Descrip. of riveting long. seams Double Dia. of rivet holes 23/32 Whether punched or drilled drilled Pitch of rivets 2.229"
Lap of plating 3 3/4" Per centage of strength of joint Rivets 77.7 Plates 66.4 Working pressure of shell by rules 142.5 lbs Thickness of shell crown plates 15/32"
Radius of do. 3'2" No. of Stays to do. none Dia. of stays Diameter of furnace Top 3'0" Bottom 3'3 1/2" Length of furnace 2'10 1/8"
Thickness of furnace plates 15/32" Description of joint welded Working pressure of furnace by rules 177.5 lbs Thickness of furnace crown plates 1/2" Radius of do. 23" Stayed by radius Diameter of uptake 8 1/2" x 13 1/4" Thickness of uptake plates 1/2"
Thickness of water tube plates Front 2 1/2" Back 1/2"
The foregoing is a correct description,
For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
J. E. Woodham
Drawing 2° 15696.
Dates of Survey while building { During progress of work in shops - 1927 Aug 9 - 1926 Sep 2-30 Oct 4-11-14-21
{ During erection on board vessel - - -
Total No. of visits 9
Is the approved plan of boiler forwarded herewith Yes.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This boiler has been built under Special Survey in accordance with the Rules and approved plan Materials & workmanship good.
This boiler is for Messrs Harland & Wolff Ltd. Belfast for their Kingline Vessel

The plate nos were checked with steel makers invoice and are as follows.
14042, 5342, 958, 5340, 5272, 5342, 14448, 5692.

This boiler was efficiently installed and fastened on the Tank top at the fore end of the Engine room. It has two spring loaded safety valves each 1.760" area, adjusted to lift at 100 lbs and fitted with easing gear. The adjusting washers are 3 1/2" & 7 1/2"

R. E. Annan
Belfast.

Survey Fee ... £ 4 : 4 : } When applied for, 10
Travelling Expenses (if any) £ : : } When received, 10

MONTHLY ACCOUNT

Committee's Minute GLASGOW 25 OCT 1927
Assigned TRANSMIT TO LONDON

J. Nicholas
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
FRI. 23 MAR 1928

Lloyd's Register Foundation

W184-0046