

REPORT ON BOILERS.

No. 40, 142.
WED. JUL. 7 1920

Received at London Office

Date of writing Report 19 When handed in at Local Office 3. 7. 1920 Port of Glasgow
 No. in Survey held at Dalmin By whom made J. Somala Date, First Survey 2. 10. 19 Last Survey June 22nd 1920
 Reg. Book. on the S. Somala (Number of Visits 8) Gross 8441
 Master Built at Glasgow By whom built Barclay Curie & Co. (1920) When built 1920
 Boilers made at Dalmin By whom made Wm. Beardmore & Co. (1920) When made 1920
 Owners British India Sh. Nav. Co. Port belonging to Glasgow

VERTICAL DONKEY BOILER— No. 1 Description "Blake" Manufacturers of steel Wm. Beardmore & Co.
 Made at Dalmin By whom made Wm. Beardmore & Co. When made 1920 Where fixed Engine room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 1/6/20 No. of Certificate 12324 Fire grate area 112 sq. ft. Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 3.44 Pressure to which they are adjusted 102 lb If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler ✓ Dia. of donkey boiler 5'-0" Length 13'-3" Material of shell plates Steel Thickness 13/32 Range of tensile
 strength 28/32 Descrip. of riveting long. seams Lap double Dia. of rivet holes 3/4 Whether punched or drilled Drilled Pitch of rivets 2 1/2"
 Lap of plating 3 7/8 Per centage of strength of joint Rivets 73.7 Plates 70.0 Working pressure of shell by rules 107.6 Thickness of shell crown plates 1/2"
 Radius of do. 48" No. of Stays to do. None Dia. of stays ✓ Diameter of furnace Top 2' 3" Bottom 5'-0" Length of furnace 2'-3 1/2"
 Thickness of furnace plates 9/16 Description of joint Welded Working pressure of furnace by rules 102 Thickness of furnace crown
 plates 9/16 Radius of do. 2'-0" Stayed by Rod Diameter of uptake none Thickness of uptake plates front 1/16 back 3/16
 Thickness of water tubes ✓

The foregoing is a correct description,
 FOR WILLIAM BEARDMORE & CO., LIMITED Manufacturer.

Dates of Survey while building
 During progress of work in shops 1919 Oct 2 1920 Apr 15 May 11. 19. 20. 25
 During erection on board vessel June 1. 22
 Total No. of visits 8

Is the approved plan of boiler forwarded herewith *yes not received*

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

This boiler has been built under special survey, the materials and workmanship are of good description, and is to be fitted on board the above vessel.

This boiler has not been efficiently fitted on board the vessel, with oil fuel burning arrangements fitted up. Safety valves adjusted under steam, aft 1/4 forward 1/2. Oil fuel arrangements fitted in accordance with rules.

In my opinion this vessel is eligible for notation LBS 100 lb.
 "Fitted for oil fuel F.P. above 150°F.

Survey Fee ... £ 2 : 2 : When applied for, 6. 7. 1920.
 Travelling Expenses (if any) £ : : When received, 12. 7. 1920.

C. Marshall
 A. M. McKeand

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 6-JUL 1920

GLASGOW 20 DEC 1921

Assigned TRANSMIT TO LONDON

20 - 11 - DB 100 lb.

