

REPORT ON BOILERS.

No. 42585

1111 MAR. 29 1923

Received at London Office

Date of writing Report 3rd March 1923 When handed in at Local Office 24th March 1923 Port of Glasgow

No. in Reg. Book. 8481 Survey held at Glasgow Date, First Survey 16. 9. 1919 Last Survey 16. 3. 1923
(Number of Visits 140) (Gross 8427) (Net 5112) Tons

Master A. MacKewell Built at Glasgow By whom built Barclay Currier Co. Ltd. (593) When built 1923

Boilers made at GLASGOW By whom made NORTH BRITISH DIESEL ENG. WKS LTD When made 1923

Owners British India Steam Navigation Co. Ltd. Port belonging to Glasgow

EXHAUST HEAT VERTICAL DONKEY BOILER — No. one Description Tubular Manufacturers of steel D. Colville & Sons Ltd.
 Made at Glasgow By whom made North British Diesel Engines When made 1923 Where fixed In Engine Room at base of Funnel Working pressure 30 lbs/sq
 Tested by hydraulic pressure to 60 lbs Date of test 13-9-22 No. of Certificate 16197 Fire grate area Description of safety valves SPRING LOADED
 No. of safety valves DOUBLE Area of each 7.07 sq Pressure to which they are adjusted 30 lbs If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 4'-6 3/4" Length 7'-10 5/8" Material of shell plates STEEL Thickness 3/8" Range of tensile strength 23/32 Descrip. of riveting long. seams SINGLE RIVET. S.B.S Dia. of rivet holes 1/16" Whether punched or drilled DRILLED Pitch of rivets 1 5/8"
 Cap of plating S.B.S Per centage of strength of joint Rivets 51% Plates 57.7% Working pressure of shell by rules 79 lbs/sq Thickness of shell TUBE plates 1"
 Radius of do. FLAT No. of Stays to do. 4 Dia. of stays 1/4" Diameter of furnace Top Bottom Length of furnace
 Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown
 Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
 Thickness of water tubes 13 W.G.

The foregoing is a correct description, NORTH BRITISH DIESEL ENGINE WORKS (1922) LTD. Manufacturer.

J. MacLagan Chief Draughtsman.

Dates of Survey while building { During progress of work in shops - - } See attached Machinery Report.
 { During erection on board vessel - - }
 Total No. of visits 140. Is the approved plan of boiler forwarded herewith Yes.

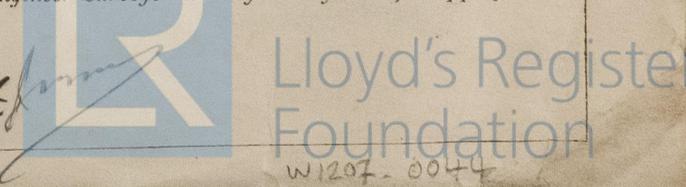
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
This boiler has been built under special survey in accordance with the rules & approved plans. The materials and workmanship are good, the boiler has been examined under 60 lbs/sq hydraulic test and found tight.

This boiler has been installed in the vessel and the safety valves adjusted under steam to 30 lbs. per square inch.
H.C. Forster

Survey Fee £ 4 : 4 : } Charged on Machinery
 Travelling Expenses (if any) £ - : : } When received

For the late C. Mackel & self H.M. Cronick
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 28 MAR 1923
Assigned See accompanying machinery report.



W1207-0044