

REPORT ON BOILERS.

No. 42585

THU. 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 Survey held at Glasgow Date, First Survey 16. 9. 1919 Last Survey 16. 3. 1923
 Reg. Book. T.W.S. M/s "DUMANA" (Number of Visits 140) Gross 8427
8481 on the T.W.S. M/s "DUMANA" Tons Net 5112
 Master A. Stockwell Built at Glasgow By whom built Barclay Currier & Co. Ltd. (593) When built 1923
 Boilers made at DIESEL ENGINES By whom made NORTH BRITISH DIESEL ENG. WORKS 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 J. 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
 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 24" 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" Length 7'-10" Material of shell plates STEEL Thickness 3/8" Range of tensile strength 25/32 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"
 Lap of plating S.B.S Per centage of strength of joint Rivets 51% Working pressure of shell by rules 79 lbs 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,
 J. MacLagan Chief Draughtsman.

Dates of Survey while building
 During progress of work in shops - -
 During erection on board vessel - -
 Total No. of visits 140
 See attached Machinery Report.
 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 :
 Travelling Expenses (if any) £ - : - :
 Charged on Machinery
 When applied for 19
 When received 19
 For the late C. Markel & self H.M. Curwick.
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 28 MAR 1923
 Assigned See accompanying machinery report.
 Lloyd's Register Foundation
 W1207-0049