

Rpt. 5a.

REPORT ON BOILERS

GLASGOW REPORT No. 45270
AIR RECEIVERS
No. 9375

Received at London Office

13 JUL 1925 30 DEC 1925

Date of writing Report 10-7-1925 When handed in at Local Office 11-7-1925 Port of Belfast
 No. in Survey held at Belfast Date, First Survey 20th March Last Survey 2nd July 1925
 Reg. Book. Two Air Receivers for the No. 8 KING MALCOLM (692M) Tons (Number of Visits 15) Gross 506.4 Net 312.7
 Master _____ Built at Glasgow By whom built D.W. Henderson & Co When built 1925
 Engines made at Glasgow By whom made Harland & Wolff Ltd When made 1925
 RECEIVERS Boilers made at Belfast By whom made Harland & Wolff Ltd When made 1925
 Registered Horse Power _____ Owners BRITISH MOTORSHIP CO LTD. Port belonging to LONDON

AIR RECEIVERS
~~MAIN AUXILIARY OR DONKEY~~ Manufacturers of Steel D. Schuller & Sons

(Letter for record _____) Total Heating Surface of Boilers _____ Is forced draft fitted _____ No. and Description of RECEIVERS. 2 Horizontal riveted. Working Pressure 356 lbs Tested by hydraulic pressure to 585 lbs Date of test 2-7-25
 Boilers marked as 23 Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of RECEIVERS safety valves to each boiler Two SPRING LOADED Area of each valve 7" Pressure to which they are adjusted 356 lbs/sq
 Are they fitted with easing gear No In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of RECEIVERS 6'-0 3/8" Length 21'-0 5/16"
 Material of shell plates Steel Thickness 1 3/8" Range of tensile strength 98-37 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams D.R. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 1/8" Pitch of rivets 4 1/16"
 Gap of plates or width of butt straps 16 1/8" Per centages of strength of longitudinal joint rivets 98.5 Working pressure of shell by rules 380 lbs plate 85.5
 Size of manhole in shell and 16" x 18" Size of compensating ring none No. and Description of Furnaces in each boiler _____
 Description of longitudinal joint _____ No. of strengthening rings _____ Working pressure of ends by the rules 360.15 Combustion chamber plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____ Pitch of stays to ditto: Sides _____ Back _____
 Top If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____ Material of stays _____ Diameter at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: Material _____ Thickness _____
 Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of stays _____ Diameter at smallest part _____
 Area supported by each stay _____ Working pressure by rules _____ Material of Front plates at bottom _____ Thickness _____ Material of Lower back plate _____ Thickness _____ Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes _____
 Pitch of tubes _____ Material of tube plates _____ Thickness: Front _____ Back _____ Mean pitch of stays _____ Pitch across wide water spaces _____ Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and thickness of girder at centre _____ Length as per rule _____ Distance apart _____ Number and pitch of Stays in each _____
 Working pressure by rules _____ Superheater or Steam chest; how connected to boiler _____ Can the superheater be shut off and the boiler worked separately _____ Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____ Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____
 If stiffened with rings _____ Distance between rings _____ Working pressure by rules _____ End plates: Thickness _____ How stayed _____
 Working pressure of end plates _____ Area of safety valves to superheater _____ Are they fitted with easing gear _____

The foregoing is a correct description,
 For HARLAND AND WOLFF LIMITED,
F. E. Hebeck Manufacturer.

Dates of Survey } During progress of 1925 Mar. 20, Apr. 1, 6, 8, 21, May 8, 15, 18, 29, June 5, 12 Is the approved plan of boiler forwarded herewith Yes
 while building } work in shops - - - 18, 26, 29 July 2 = 15
 } During erection on board vessel - - - _____ Total No. of visits _____

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
These Receivers have been built under Special Survey. Materials & workmanship good, Hydraulic tests satisfactory. They are being shipped to Glasgow for installation in the vessel. These air receivers have now been fitted on board the above vessel in an efficient manner, examined under air pressure and safety valves adjusted to 356 lb/s working, F 7/16, A 5/16.

Survey Fee ... £ 8 : 8 : 0 } When applied for, 10-7-1925
 Travelling Expenses (if any) £ : : } When received, 18.7.25
(Hon. Secy) W. Marshall William D. Bates & H. M. Cruick
 Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 29 DEC 1925
 Assigned See Glasgow Report No. 45270
W184-0182

