

REPORT ON BOILERS.

No. 40949
WED. 16 MAR. 1921

Received at London Office
 Date of writing Report 14th March 21 When handed in at Local Office 14th Mar 1921 Port of Glasgow
 No. in Survey held at Aunau Date, First Survey 12th Nov. 1920 Last Survey 11th March 1921
 Reg. Book. on the Donkey Boiler No 8542. Fort. M.S. Hawaki (Number of Visits 9) Tons { Gross 7113 Net 4425
 Master Union S.S. Co of New Zealand Built at Dumbarton By whom built Wm Denny & Bro No 1039 When built 1922
 Boilers made at Aunau By whom made Cochran & Co. Aunau Ltd When made 1921
 Owners Union S.S. Co of New Zealand Port belonging to London

VERTICAL DONKEY BOILER - No. 8542 Description Cochran Manufacturers of steel Glasgow Iron & Steel Co Ltd.
 Made at Aunau By whom made Cochran & Co When made 1921 Where fixed Engine room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 11/3/21 No. of Certificate 15733 Fire grate area 94 sq ft Description of safety valves 2 direct spring
 No. of safety valves 2 Area of each 3.98 Pressure to which they are adjusted 105 lb If fitted with easing gear yes If steam from main boilers can enter the donkey boiler ✓ Dia. of donkey boiler 4'-3" Length 11'-0" Material of shell plates Steel Thickness 3/8" 7/16" Range of tensile strength 28/32 Descrip. of riveting long. seams Lap S.R. Dia. of rivet holes 23/32 Whether punched or drilled drilled Pitch of rivet 2-24"
 Lap of plating 3 5/8" Per centage of strength of joint Rivets 80 Working pressure of shell by rules 107 Thickness of shell crown plates 7/16"
 Radius of do. 4'-9" No. of Stays to do. 3 stays Dia. of stays 3/4" Flat Diameter of furnace Top 39 1/2" Bottom 45 1/2" Length of furnace 29 1/2"
 Thickness of furnace plates 1/2" Description of joint Single Lap Working pressure of furnace by rules Side 143 Crown 130 Thickness of furnace crown plates 1/2" Radius of do. 23 inches Stayed by ✓ Diameter of uptake 9 1/2" 15 1/4" Thickness of uptake plates 1/2"
 Thickness of water tube plates F. 7/8. B. 1/2.
 The foregoing is a correct description,
 For COCHRAN & CO., AUNAU, LIMITED Manufacturer.
 W. D. Gray.

Dates of Survey while building { During progress of work in shops - - } 1920 Nov 12, 19, 25 Dec 3 (1921) Feb 11, 18, 25 Mar 4, 11
 { During erection on board vessel - - }
 Total No. of visits 9.

Drawing No. 12277
 Is the approved plan of boiler forwarded herewith Yes

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

The boiler has been built under special survey.
 The workmanship & materials are good.
 The boiler is to the order of the G. B. Diesel Engine Works. Contract No 26 and will be fitted on board at Glasgow.

This boiler has not been efficiently fitted on board the vessel, and the safety valves adjusted under steam.

Survey Fee ... £ 4 : 4 : When applied for, 19
 Travelling Expenses (if any) £ : : When received, 19

Committee's Minute
 Assigned

GLASGOW 15 MAR 1921
 TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
 P. W. M. Chego. remanded

GLASGOW 20 MAR 1922

See Gls. Rpt. 41800
 FRI. MAR. 2 1923

Lloyd's Register Foundation