

REPORT ON BOILERS.

No. 40949
WED. 16 MAR. 1921

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. Donkey Boiler No 8542. for T.M.S. Hauraki (Number of Visits 9) Gross 7113
on the Donkey Boiler No 8542. for T.M.S. Hauraki Tons Net 4425
Master Union S.S. Co of New Zealand Built at Dumbarton By whom built Wm Denny & Bros 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 rivets 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 Dia. of stays 3/4" 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 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 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 L. B. Diesel Engine Works. Contract No 26 and will be fitted on board at Glasgow.

This boiler has now 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.

Peter M. Hegor

W. D. Gray

GLASGOW 21 MAR 1922

See Gls. Rpt. 41800

FRI. MAR. 21 1923

Lloyd's Register
Foundation