

# REPORT ON BOILERS.

No. 45620

Received at London Office

1 MAY 1926

Date of writing Report 1st May 1926 When handed in at Local Office 3-5-1926 Port of Glasgow  
 No. in Reg. Book 1691 Survey held at Annan, Scotland Date, First Survey 29th Jan Last Survey 30th April 1926  
M. S. Vulcania yard No 161 (Number of Visits 10) Gross 23970  
 on the Cochran Boiler No 9956 for Messrs Stabilimento Tecnico Triestino, Trieste Tons 14476  
 M.V. 460  
 Master Built at Monfalcone By whom built Cantiere Navale Triestino When built 1928  
 Boilers made at Annan, Scotland By whom made Messrs Cochran & Co. Annan Ltd When made 1926  
 Owners Carulisti Soc. Triestina di Navigar. Port belonging to Trieste

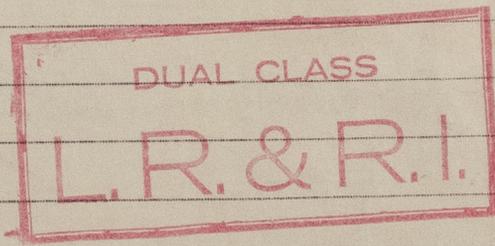
**VERTICAL DONKEY BOILER**— No. One Description Cochran type Manufacturers of steel W. Colville & Sons Ltd.  
 Made at Annan By whom made Cochran & Co. Annan Ltd When made 1926 Where fixed in E. B. Starb. Working pressure 100 lbs  
 tested by hydraulic pressure to 200 lbs Date of test 30/4/26 No. of Certificate 1114 Fire grate area 41 sq Description of safety valves See spring load  
 No. of safety valves 2 Area of each 7 sq Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can  
 enter the donkey boiler — Dia. of donkey boiler 8'-6" Length 19'-3" Material of shell plates Steel Thickness 19/32, 23/32, 19/32 Range of tensile 2875-3034  
 strength 2835 Descrip. of riveting long. seams D.R. lap Dia. of rivet holes 3 1/32" Whether punched or drilled drilled Pitch of rivets 29375  
 Lap of plating 4 3/4" Per centage of strength of joint Rivets 69.5% Plates 66.3% Working pressure of shell by rules 106.5 lbs Thickness of shell crown plates 17/32 & 1 1/8"  
 Radius of do. 4'-3" No. of Stays to do. None Dia. of stays — Diameter of furnace Top Hemisphere Bottom 4'-5 1/4" Length of furnace 4'-4 1/8"  
 Thickness of furnace plates 2 1/32" Description of joint Seamless Ogee Ring Working pressure of furnace by rules 122 lbs Thickness of furnace crown  
 plates 2 1/32" Radius of do. 3'-9" Stayed by Hemisphere Diameter of uptake 18 x 28 1/2" Thickness of uptake plates 9/16"  
 Thickness of water tube plates { Front. 15/16" Back. 1/8"

The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED, Manufacturer. H. Woodham

Dates of Survey while building { During progress of work in shops - - } 1926 Jan 29 Feb 12 19 Mar 5 12 19 26 Drawing No. 15009 ✓  
 { During erection on board vessel - - } Apr 6 28 30 5/10/28, 20/11/28, 1/12/28  
 Total No. of visits 10 3 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 survey in accordance with the Rules and approved plan. Materials and workmanship are good.  
This boiler has been fitted on board the Motor Ship Vulcania (yard No 161) in Engine Room Starb. side and fitted for oil fuel in accordance with the requirements of the Rules. It has been examined under steam and found in order and its safety valves adjusted under steam to lift at 100 lbs sq"

*H. Woodham*



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

MONTHLY ACCOUNT

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 4-MAY 1926  
Assigned TRANSMIT TO LONDON

Lloyd's Register Foundation  
014349-014356-0294