

Rpt. 5b.

## REPORT ON BOILERS.

No. 41078

Received at London Office WED. 4 MAY, 1921

Date of writing Report *3<sup>rd</sup> May 21* When handed in at Local Office *3-5-21* Port of *Glasgow*  
 No. in Reg. Book *Survey held at Annan* Date, First Survey *4<sup>th</sup> March* Last Survey *29<sup>th</sup> April 1921*  
 on the *Donkey Boiler No. 8681 for report.* (Number of Visits *9*) (Gross Tons *Net*)  
 Master Built at *Annan* By whom built *Cochran & Co. Annan Ltd.* When built *1921*  
 Boilers made at *Annan* By whom made *Cochran & Co. Annan Ltd.* When made *1921*  
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. *8681* Description *Cochran* Manufacturers of steel *Steel Coy. Scotland*  
 Made at *Annan* By whom made *Cochran & Co.* When made *1921* Where fixed *Working pressure 100*  
 tested by hydraulic pressure to *200* Date of test *29/4/21* No. of Certificate *15802* Fire grate area *94 sq ft* Description of safety valves  
 No. of safety valves *2* Area of each *28 sq in* Pressure to which they are adjusted *105* If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler *Yes*  
 Dia. of donkey boiler *4'-6"* Length *10'-0"* Material of shell plates *Steel* Thickness *3/8"* Range of tensile strength *28,375 lb* Descrip. of riveting long. seams *Lap & R.* Dia. of rivet holes *23/32"* Whether punched or drilled *drilled* Pitch of rivets *1"*  
 Lap of plating *3 5/8"* Per centage of strength of joint *77.5* Working pressure of shell by rules *105* Thickness of shell crown plates *9/16"*  
 Radius of do. *4'-9"* No. of Stays to do. *none* Dia. of stays *1"* Diameter of furnace Top Radius *45 ins* Bottom *45 ins* Length of furnace *32 1/2 ins*  
 Thickness of furnace plates *1/2"* Description of joint *Riveted Ring* Working pressure of furnace by rules *100* Thickness of furnace crown plates *1/2"* Radius of do. *22 1/2 ins* Stayed by *Hemisphere* Diameter of uptake *10 1/2 x 17"* Thickness of uptake plates *1/2"*  
 Thickness of water tube plates *7/16"* B. *1/2"*  
 The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

Dates of Survey while building  
 During progress of work in shops - *1921 Mar 4, 11, 18, 23, Apr 1, 8, 15, 22, 29.*  
 During erection on board vessel - *-*  
 Total No. of visits *9*

Drawing No 9554

Is the approved plan of boiler forwarded herewith *Yes*

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

The boiler has been built under special survey.

The workmanship &amp; materials are good.

The boiler is to the order of the Anglo Mexican Petroleum Co Ltd Valparaiso

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

FRI. MAR. 14 1924

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

TUE. 11 DEC. 1923

Committee's Minute

GLASGOW 3-MAY 1921

Assigned

TRANSMIT TO LONDON

*Deferred*  
 Lloyd's Register Foundation

F600-091500-051500