

REPORT ON BOILERS.

No. 47493

Date of writing Report 19 When handed in at Local Office 16-1-28 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 11-11-27 Last Survey 12-1-28
 Reg. Book 42800 on the BOILER No. 10719 - Motor Vessel "SUD ATLANTICO" YARD No. 543 Tons { Gross 4639.60
 Master Built at Copenhagen By whom built Akt. Burneister & Wain's
 Boilers made at Annan By whom made Messrs Cochran & Co Annan Ltd When built 1927-28
 Owners 1/5 Linea Sud Americana. (Einar an Christensen) Port belonging to Oslo - Norway

VERTICAL DONKEY BOILER— No. ONE Description VERTICAL Manufacturers of steel D. Colville & Sons, Ltd.
 Made at Annan By whom made Cochran & Co Annan Ltd When made 1928 Where fixed In machinery space Working pressure 100 lbs.
 tested by hydraulic pressure to 200 lbs. Date of test 12/1/28. No. of Certificate 17740 Fire grate area 14 sq. ft. Description of safety valves Direct spring loaded.
 No. of safety valves 2 off Area of each 3.14 sq. ft. Pressure to which they are adjusted 100 lbs. If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no Diameter of donkey boiler 5'-3" Length 4'-6" Material of shell plates Steel Thickness 1 1/2", 2", 1 1/2"
 Range of tensile strength 28/32 Tons Description of riveting long. seams D.R. Lap Diameter of rivet holes 2 1/2" Whether punched or drilled Drilled Pitch of rivets 2.635", 2.625", 2.637" Lap of plating 3 3/8" Per centage of strength of joint Rivets 72.45 Working pressure of shell by rules 118.8 lbs. Thickness of shell crown plates 3/8" Radius of do. 2'-7 1/2" No. of stays to do. Diameter of stays Diameter of furnace—Top 4'-3" Bottom 4'-6" Length of furnace 5'-3" Thickness of furnace side plates 1/16" Description of joint Butted & welded Working pressure of furnace by rules 100 lbs. Thickness of Ogee ring Working pressure of Ogee ring by rules Thickness of furnace crown plates 1 1/2" Radius of do. 2'-1 1/2" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 1/16" back 9/16" Mean pitch of stay tubes in nest 12'-25" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/2" plain 2 9/16" BACK stay 2 1/2" plain 2 1/2" Working pressure of tube plates by rules FRONT 105.7 lbs BACK 110.2 lbs Tubes: Material Best Iron
 External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1/32" plain 1/32" No. of threads per inch 9 Pitch of tubes 3 1/2" x 4"
 Working pressure by rules 125 lbs. Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 12" x 5 1/8" No. of rivets and diameter of rivet holes 36 @ 2 1/2" Outer row pitch at ends 3 7/8"

The foregoing is a correct description.

For COCHRAN & CO, ANNAN, LIMITED

Walter Beattie, Works Manager
 Drawing No. E 23340

Dates of Survey while building { During progress of work in shops - 1927 Nov. 11-21-25 Dec 2-9-16-20-23 1928 Jan 6-12.
 { During erection on board vessel - 24/2, 27/2, 6/3, 10/3, 15/3, 27/3 & 2/4, 1928.
 Total No. of visits 10

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 Good

This boiler is to the order of Messrs Burneister & Wain of Copenhagen & intended for their ship No 543; ~~stated to be classed with Norwegian Vite.~~

This boiler has now been fitted onboard the above vessel and connected complete in accordance with the Rule requirements, under our supervision and to our satisfaction.

For feeding purpose of the boiler a horizontal duplex pump 11 1/2" x 70" x 100" and a feed injector have been fitted.

Recommend the vessel to have notation in the Register Book of, DB-100 lbs.

Surveyor to LLOYD'S REGISTER OF SHIPPING

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 17 JAN 1928
 Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.
 FRI. 11 MAY 1928

Lloyd's Register Foundation
 012678-012685-0086