

REPORT ON BOILERS.

No. 47683

23 JUL 1928

Date of writing Report 26/2/28 When handed in at Local Office 28.2.1928 Port of Glasgow Received at London Office 7 MAR 1928

No. in Survey held at Annan Date, First Survey 6.1.28 Last Survey 24/2/1928

Reg. Book. 42833 on the BOILER No. 10720. Motor Vessel "SUD PACIFICO" (Number of Visits 8) Tons { Gross 4638.66 Net 2771.24

Master ✓ Built at Copenhagen By whom built Messrs Burmeister & Wain Ltd When built 1928

Boilers made at Annan By whom made Messrs Cochran & Co Annan Ltd When made 1928

Owners A/S Linea Sud Americana (Axel 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 the machinery space Working pressure 100 lbs

tested by hydraulic pressure to 200 lbs Date of test 24/2/28 No. of Certificate 17788 Fire grate area 14 sq ft Description of safety valves 2 off, direct spring loaded. (Adam's patent)

No. of safety valves 2 off Area of each 3.1416 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 14'-6" Material of shell plates Steel Thickness 1 1/2", 1 1/2", 1 1/2"

Range of tensile strength 28/32 Tons Description of riveting long. seams S.R. Lap Diameter of rivet holes 25/32" Whether punched or drilled Drilled Pitch of rivets 2.675", 2.625", 2.63" Lap of plating 3 3/8" Per centage of strength of joint 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 1/8" Description of joint Electrically welded Working pressure of furnace by rules 163 lbs Thickness of Ogee ring ✓ Working pressure of Ogee ring by rules ✓ Thickness of furnace crown plates 17/32" Radius of do. 108.9 lbs Stayed by Hemispherical Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates front 1/8" back 1/8" Mean pitch of stay tubes in nest 12.25" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT stay 2 1/8" BACK stay 2 1/8" Working pressure of tube plates by rules 105.7 lbs Tubes: Material Best Iron

External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1/8" plain 11.186 No. of threads per inch 9 Pitch of tubes 4" x 3 1/8"

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 @ 25/32" Outer row pitch at ends 3 7/8"

The foregoing is a correct description,
for COCHRAN & CO., ANNAN, LIMITED

J. H. Woodham Manufacturer.

Dates of Survey while building { During progress of work in shops— 1928 Jan 6, 12, 20, 24 Feb. 3, 10, 16, 24
During erection on board vessel— 1928 May 21, 23, 25, 30 June 6, 14, 26, 28.
Total No. of visits 8

Drawing No. E 23340

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 & workmanship Good.
This boiler is to the order of Messrs Burmeister & Wain of Copenhagen and intended for their ship No 547.

The donkey boiler has now been fitted on board the above vessel under survey in accordance with the Rule requirements and to our satisfaction.
A duplex Worthington pump 115" x 70" x 100" and a feed injector have been fitted to the boiler for feeding purpose.

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

L. H. Woodham

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 6 - MAR 1928
Assigned TRANSMIT TO LONDON

Glenn J. Thomas
Engineer Surveyor to Lloyd's Register of Shipping.

FRI 27 JUL 1928

Lloyd's Register Foundation

006175-006188-0195