

REPORT ON BOILERS.

No. 47419

29 JUL 1929

Date of writing Report 19 When handed in at Local Office 19 12 27 Port of Glasgow.
 No. in Survey held at Annan. Date, First Survey 21. 10. 27 Last Survey 16-12-1927
 Reg. Book. BOILER No. 10615 (Number of Visits 9) Tons { Gross 8399 Net 4764
 Master Built at By whom built When built
 Boilers made at Annan By whom made Messrs Cochran & Co Annan Ltd When made 1927
 Owners Societe d'Armement d'Industrie & de Commerce. Port belonging to Antwerp.

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 1927 Where fixed Engine room Working pressure 100 lbs.
 tested by hydraulic pressure to 200 lbs Date of test 16/12/27 No. of Certificate 1770 Fire grate area 11 1/4 sq ft Description of safety valves 2 Spring loaded.
 No. of safety valves 2 Area of each 1767 sq in Pressure to which they are adjusted 100 lb If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Diameter of donkey boiler 4'-9" Length 12'-1" Material of shell plates Steel Thickness 3/8", 7/16", 3/8"
 Range of tensile strength 28/32 Description of riveting long seams S.R. Lap Diameter of rivet holes 23/32 Whether punched or drilled Drilled Pitch of rivets 2.333", 2.333", 2.385" Lap of plating 3 3/4 Per centage of strength of joint Rivets 74.5 Working pressure of shell by rules 117.2 lbs Thickness of shell crown plates 9/16 Radius of do. 4'-9" No. of stays to do. Diameter of stays Diameter of furnace—Top Hemispherical Bottom 4'-0" Length of furnace 2'-10" Thickness of furnace side plates 1/2" Description of joint Seamless Working pressure of furnace by rules 172 lbs Thickness of Ogee ring 4 1/4 Working pressure of Ogee ring by rules 103.8 lbs Thickness of furnace crown plates 1/2" Radius of do. 2'-0" Stayed by Hemispherical Diameter of uptake 11" x 16 3/4" Thickness of uptake plates 1/2" Thickness of tube plates front 3/4" back 5/8" Mean pitch of stay tubes in nest 9.09" Pitch in outer vertical rows 7.32"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules (FRONT 105.1 lbs Tubes: Material Wrought Iron (BACK 110.8 lbs)
 External diameter stay 2 1/2" plain 2 1/16" Thickness stay 1/32" plain 11 LSG No. of threads per inch 9 Pitch of tubes 3 5/8" x 3 3/32"
 Working pressure by rules 125 lbs Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 10" x 12 1/2" No. of rivets and diameter of rivet holes 32 @ 23/32" Outer row pitch at ends 4 1/4"

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 - 1927 Oct 21-28 Nov. 4-11-21-25 Dec 2-9-16
 { During erection on board vessel - -
 Total No. of visits 9 Drawing No. 16130.
 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 & approved plan.
 Materials and workmanship good
 This boiler is to the order of Messrs Bungenhofs Maschinenfabriken & Seipekwerf of Rotterdam and intended for Motor Ship No 425.
 Boilers fitted in the Engine room on Port Side forward.
 Safety valves adjusted to 100 lb.

no heating surface

M. Young

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 20 DEC 1927
 Assigned TRANSMIT TO LONDON

FRI. 2 AUG 1929

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

Lloyd's Register Foundation

2910-102464-0192