

REPORT ON BOILERS.

No. 68027

Date of writing Report 19 When handed in at Local Office 25.1. 19 44 Port of GLASGOW.
No. in Survey held at ANNAN. Date, First Survey 9.1.43. Last Survey 21st Jan. 19 44
Reg. Book. on the (Number of Visits 11) Tons { Gross Net
Built at By whom built Yard No. When built
Boilers made at ANNAN. By whom made Cochran & Co. (Annan) Ltd. Boiler No. 15754 When made 1944
Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Cochran composite Manufacturers of steel Colvilles Ltd.
Made at Annan By whom made Cochran & Co. (Annan) Ltd. When made 1944 Where fixed Working pressure 105 lbs.
tested by hydraulic pressure to 208 Date of test 21.1.44 No. of Certificate 21631 Fire grate area or exhaust gas Description of safety valves ord nary
No. of safety valves 2 Area of each 1.76 sq. in. Pressure to which they are adjusted If fitted with easing gear yes If steam from main boilers can enter the donkey boiler
Diameter of donkey boiler 4'9" Length 12'9" Material of shell plates S Thickness 5/8" 9/16"
Range of tensile strength 28-32 tons Description of riveting long. seams D.R. lap Diameter of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2.39" 2.50" 2.43" Lap of plating 3 1/2" Per centage of strength of joint Rivets 72.9 Plates 69.9 Working pressure of shell by rules 118 Thickness of shell crown plates 9/16" Radius of do. 4'9" No. of stays to do. - Diameter of stays - Diameter of furnace—Top - Bottom 4'0" Length of furnace - Thickness of furnace side plates 1/2" Description of joint seamless Working pressure of furnace by rules 171 Thickness of Ogee ring 21/32" Working pressure of Ogee ring by rules 109 Thickness of furnace crown plates 1/2" Radius of do. 2'0" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16" Thickness of tube plates front 1 1/4" 3" back 2 1/4" 3" Mean pitch of stay tubes in nest 8.313" 9.2" 8.575" Pitch in outer vertical rows 4 3/4" & 6.45"
Diameter of tube holes FRONT stay 1 1/4" 3" BACK stay 1 1/4" 3" Working pressure of tube plates by rules F.125 122 B.139 144 Tubes: Material S
External diameter stay 1 1/2" 2" 16 16 11/32" Thickness plain 1 1/2" 2" No. of threads per inch 9 Pitch of tubes 2 3/8" x 2 5/8" & 3.225" x 3"
Working pressure by rules 215 lbs. Manhole compensation: Size of opening in shell plate 21" x 16" Section of compensating ing 5 3/4" x 7 1/8" No. of rivets and diameter of rivet holes 40 @ 23/32" Outer row pitch at ends 3.71

The foregoing is a correct description, G.H.3
Manufacturer

Dates { During progress of work in shops - 1943: April 9, May 21, Sep. 30, Oct. 21, Nov. 4, Dec. 9, Drawing No. 25961
During erection on board vessel - 17, 31. 1944: Jan, 14, 21.
Total No. of visits 11.
Is the approved plan of boiler forwarded herewith No.
Sent with Boiler 15753, Glasgow Report 68007.

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

The workmanship and materials are good.
The boiler has been constructed under Special Survey to the order of Messrs. E. Pinto Basto & Co. Ltd., Lisbon for a trawler for Sociedad des Armadores de Balchan.
It will be sent to Lisbon to be fitted in the vessel.

Heating Surface Exhaust Gas 217 sq.ft., Oil fired nest 136sq. ft., total 353 sq.ft.

Survey Fee ... £ 4 : 4 : - When applied for Mon 4/11/43 19
Travelling Expenses (if any) £ : : - When received 19

L.C. Davis
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned Transmitted to Nottingham

Not for

Lloyd's Register of Shipping
Foundation

004502-004511-0202