

Rpt. 5e.

REPORT ON BOILERS.

No. 57078

-3 JUN 1936

Date of writing Report 22.5.36 When handed in at Local Office 29.5.36 Port of GLASGOW
 No. in Survey held at Aman Date, First Survey 12.3.36 Last Survey 20.5.1936
 Reg. Book. Boiler No 13316 in M/V. PORT JACKSON. (Number of Visits 11) Gross 9687
 on the Boiler Tons Net 5826
 Master Donkey Built at Newcastle on Tyne By whom built Swan, Hunter & Wigham Richardson When built 1937
 Boilers made at Aman By whom made COCHRAN & Co When made 1937
 Owners Commonwealth & Dominion Line Port belonging to LONDON.

VERTICAL DONKEY BOILER— No. 1 Description Cochran Exhaust Gas Manufacturers of steel Steel Co. S'land
 Made at Aman By whom made COCHRAN & Co When made 1936 Where fixed IN E.R. CASING Working pressure 100
 tested by hydraulic pressure to 200 Date of test 20-5-36 No. of Certificate 19730 Fire grate area WASTE EXHAUST GAS FIRED Description of safety valves I. S. L.
 No. of safety valves 2 Area of each 1.76 Pressure to which they are adjusted 100 lb If fitted with easing gear YES. If steam from main boilers can enter the donkey boiler NONE Diameter of donkey boiler 4'-0" Length 8'-3" Material of shell plates 8 Thickness 3/8-15/32
 Range of tensile strength 28-32 Description of riveting long. seams I. R. L. Diameter of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2.34", 2.25", 2.5" Lap of plating 3 3/4" Per centage of strength of joint 71 Working pressure of shell by rules 137 Thickness of shell crown plates 19/32" Radius of do. 4'-0" No. of stays to do. none Diameter of stays ✓ Diameter of furnace—Top none Bottom ✓ Length of furnace ✓ Thickness of furnace side plates ✓ Description of joint ✓ Working pressure of furnace by rules ✓ Thickness of Ogee ring none Working pressure of Ogee ring by rules ✓ Thickness of furnace crown plates ✓ Radius of do. ✓ Stayed by ✓ Diameter of uptake ✓ Thickness of uptake plates none Thickness of tube plates front 2 1/32" Mean pitch of stay tubes in nest 8.3" Pitch in outer vertical rows 5 1/4"
 Diameter of tube holes FRONT 1 1/8" BACK 1 1/2" Working pressure of tube plates by rules F122, B170 Tubes: Material S
 External diameter 1 1/2" Thickness 10 W.G. No. of threads per inch 9 Pitch of tubes 2 5/8" x 2 5/8"
 Working pressure by rules 5 1/4" x 29/32" Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 5 1/4" x 29/32" No. of rivets and diameter of rivet holes 32 - 23/32" Outer row pitch at ends 4 3/8"

The foregoing is a correct description, W.D.
R. Alex. Works Manager. Manufacturer.

Dates of Survey while building { During progress of work in shops— 1936 Mar: 12. 19. 26 Apr: 2. 9. 16. 30 May: 6. 14. Drawing No. E 33522
 { During erection on board vessel— 18. 20
 Total No. of visits 11 Is the approved plan of boiler forwarded herewith Ys.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the approved plan and the Society's Rules and requirements the materials and workmanship are good.

The boiler is intended for Swan Hunter & Wigham Richardson yard No 1504. 1515

29/5/36

This Waste Exhaust Gas Donkey Boiler has been satisfactorily fitted at Port Side at Upper Deck level in E.R. Casing. The Safety Valves were adjusted under steam as stated above, and the accumulation test was satisfactory.

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW
 Assigned TRANSMIT TO LONDON

23 JUN 1936

Jas Cairns © 2021
 Engineer, Surveyor to Lloyd's Register of Shipping.

FRI 12 FEB 1937

013961-013971-0086

Ship 1575
 Dated 1584

Small 8th Pass
 4'0" dia

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Lloyd's Register
 Foundation

Rpt. 4

No. in
 Reg. Book

Built a
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 Donkey
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Trade J

OIL F

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