

REPORT ON BOILERS.

Sld. No. 62703

AUG 14 1940

Date of Report 12. 8. 40 When handed in at Local Office 12. 8. 40 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 1939 Sept 20th Last Survey 9-8-1940
 Reg. Book. on the M/V ANTAR (Number of Visits 25) Gross 5222 Tons Net 3034
 Built at Sunderland By whom built W. Dwyer & Sons Ltd Yard No. 668 When built 1940
 Boilers made at Annan By whom made Cochran & Co Annan Ltd Boiler No. 14521 When made 1940
 Owners New Egypt & Levant Shipping Co Ltd Port belonging to London.

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 1940 Where fixed (for 2nd) Working pressure 120 lbs
 tested by hydraulic pressure to 230 Date of test 9-8-40 No. of Certificate 20615 Fire grate area — Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 7.06 sq Pressure to which they are adjusted 120 If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler — Diameter of donkey boiler 8.0" Length 17.9" Material of shell plates S Thickness 13/16 21/32
 Range of tensile strength 28-32 tons Description of riveting long. seams OR lap Diameter of rivet holes 1 1/32 Whether punched or
 drilled drilled Pitch of rivets 3.15". 3.13". 3 1/8" Lap of plating 5" Per centage of strength of joint Rivets 66.2 53.9 Working pressure of shell by
 rules 127 Thickness of shell crown plates 1 1/8" & 1 1/32 Radius of do. 4.0" No. of stays to do. — Diameter of stays — Diameter of
 furnace—Top — Bottom 7.0" Length of furnace — Thickness of furnace side plates 23/32 Description of joint seamless Working
 pressure of furnace by rules 144 Thickness of Ogee ring 1 1/32 Working pressure of Ogee ring by rules 124 Thickness of furnace
 crown plates 23/32 Radius of do. 3.6" Stayed by Hemisphere Diameter of uptake 2 1/2 x 2 5/8 Thickness of uptake
 plates 9/16 Thickness of tube plates front 1 1/4" back 1 1/4" Mean pitch of stay tubes in nest 8.7" 8.3" 9.4" Pitch in outer vertical rows 5 1/4" 6.37"
 Diameter of tube holes FRONT stay 2 3/16 1 1/8 BACK stay 2" 1 1/2" Working pressure of tube plates by rules 8196.161 Tubes: Material S
 External diameter stay 2" 1 1/2" plain 2 1/4 1 1/8 Thickness stay 1 1/32 plain 1 1/8 No. of threads per inch 9 Pitch of tubes 29.8 x 2 1/16 3.13 x 3.187"
 Working pressure by rules 215 Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating
 ring 9 1/4" x 1 1/32 No. of rivets and diameter of rivet holes 40 @ 1 1/32 Outer row pitch at ends 4.03"

The foregoing is a correct description,

L. Rix,

Manufacturer

FOR COCHRAN & CO., ANNAN, LTD.

Dates of Survey while building (1939) Sept. 20. Dec. 28 (1940) Jan. 18
 During progress of work in shops — Feb. 2, 20, Mar. 14, 29, Apr. 4, 11, 18, 23, May 2
 During erection on board vessel — 9, 16, 21, June 7, 13, 25, July 5, 11, 25, 30, Aug. 9
 Total No. of visits 25 Drawing No. 25554
 Duplicate of Drawing No. 25112 except one shell crown side plate increased to 5/8" and position of manhole
 Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good.

The boiler has been constructed under Special Survey. It will be sent to Sunderland to be fitted in the vessel.

Heating surface — exhaust gas — 515 sq ft. oil fired — 538 sq ft.

This boiler has been securely fixed on board the vessel, & examined under
 Steam & Safety valves adjusted to working pressure in accordance
 with rule requirements.

In recommendation please see Incl. Rpt.

D. T. Fraser.

Survey Fee ... £ 5 : 12 : } When applied for 19
 Travelling Expenses (if any) £ : : } When received 19

Committee's Minute GLASGOW 13 AUG 1940

Assigned TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

003421-003428-0187