

REPORT ON BOILERS.

Sld. No. 32996
Gls. No. 62217

Date of writing Report 9-4-40 When handed in at Local Office 9-4-40 Port of Glasgow
No. in Survey held at Annan Date, First Survey 1939 Dec 28 Last Survey 4-4-1940
Reg. Book. on the M/V "FULTALA" (Number of Visits 13) Tons { Gross 5051 Net 2828.
Built at Sunderland By whom built Wm. Dorrance & Sons Ltd. Yard No. 664 When built 1940
Boilers made at Annan By whom made Cochran & Co. Annan Ltd. Boiler No. 14518 When made 1940
Owners British India Steam Navigation Co. Ltd. Port belonging to London.

VERTICAL DONKEY BOILER— No. one Description Cochran Composite Manufacturers of steel Cochran & Co. Ltd.
Made at as above By whom made - When made - Where fixed Upper boiler
Tested by hydraulic pressure to 230 Date of test 4-4-40 No. of Certificate 20545 Fire grate area - Description of safety valves Enclosed spring
No. of safety valves 2 Area of each 7.06 sq. ft. 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 14'-9" Material of shell plates S Thickness 13/16 31/32
Range of tensile strength 28-32 tons Description of riveting long. seams DWR lap Diameter of rivet holes 1 1/32 Whether punched or
filled 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
plates 66.8 67.3
Pressure at test 127 Thickness of shell crown plates 19/32 1 1/32 Radius of do. 4'-0" No. of stays to do. - Diameter of stays - Diameter of
test pressure - 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
own plates 23/32 Radius of do. 3'-6" Stayed by Hemisphere Diameter of uptake 21 1/2 x 25 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 8.36 9.44 Pitch in outer vertical rows 5 1/4 6.37
Diameter of tube holes FRONT stay 2 1/8 1 1/8 BACK stay 2 1/8 1 1/8 Working pressure of tube plates by rules 8-196 161 Tubes: Material S
Manufactured by stay 2 1/8 1 1/8 plain 2 1/8 1 1/8 Thickness stay 10 LSC No. of threads per inch 9 Pitch of tubes 2 5/8 x 2 1/2 3.13 x 3.18
External diameter plain 2 1/8 1 1/8
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 1/2 No. of rivets and diameter of rivet holes 40 @ 1 1/2 Outer row pitch at ends 4.03

The foregoing is a correct description,

Calcutta.

Manufacturer

FOR COCHRAN & CO. ANNAN, LTD.

Dates { During progress of work in shops - 1939 Dec. 28 1940 Jan. 18. 25, Drawing No. 25190
Survey while building { During erection on board vessel - Feb. 2, 9, 16, 20, 28, Mar. 8, 14, 21, 29 Apr. 4.
Total No. of visits 13
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
Pallion yard 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

For recommendation please see Memo Rpt.

W. H. Fraser.

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 9 APR 1940
Assigned TRANSMIT TO LONDON

Sh. Davis © 2020
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

1139-0210