

## REPORT ON BOILERS.

No. 48189.

Writing Report JAN 8 1952 When handed in at Local Office JAN 24 1952 Port of GLASGOW. Received at London Office 30 JAN 1952

Survey held at MOTHERWELL Date, First Survey 20<sup>th</sup> Dec. 1951. Last Survey 10<sup>th</sup> January 1952  
 Book on the "CALTEX TANGANYIKA" (Number of Visits 4.) Tons Gross 8513 Net 4809  
 By whom built Wm. Hayfron Jones Ltd. Yard No. 484 When built 1952  
 Made at BROOMSIDE, MOTHERWELL By whom made MARSHALL & ANDERSON LTD. Boiler No. 3207/2. When made Dec 1951  
 Overseas Tankships (UK) Ltd. Port belonging to London

**VERTICAL DONKEY BOILER**— No. 1 Description CLARKSON EXHAUST GAS Manufacturers of steel COLVILLES LTD.  
 at MOTHERWELL By whom made MARSHALL & ANDERSON LTD. When made 12/1951 Where fixed in E. R. Working pressure 100 lbs  
 by hydraulic pressure to 200 lbs Date of test 27.12.51 No. of Certificate 23582 Fire grate area Description of safety valves Lock Klean  
 safety valves 2 Area of each 1.76 sq. ft. Pressure to which they are adjusted 100 If fitted with easing gear No. If steam from main boilers can  
 the donkey boiler Diameter of donkey boiler 5'-10 7/8" Length 12'-6" Material of shell plates STEEL Thickness 13/32  
 of tensile strength 28/32 TONS Description of riveting long. seams DOUBLE BUTT STRAPS Diameter of rivet holes 13/16 Whether punched or  
 DRILLED Pitch of rivets 2 7/8" Lap of plating Per centage of strength of joint Plates 71.8 Working pressure of shell by  
 Thickness of shell crown plates 11/16 Radius of do. 5'-6" No. of stays to do. NONE Diameter of stays Diameter of  
 Top 3'-1" Bottom 5'-9 5/8" Length of furnace Thickness of furnace side plates 3/4" Description of joint FUSION WELDED Working  
 ure of furnace by rules Thickness of Ogee ring 25/32 Working pressure of Ogee ring by rules Thickness of furnace  
 plates 5/8" Radius of do. 3'-0" Stayed by Diameter of uptake 1'-9" Thickness of uptake  
 9/16 Thickness of tube plates 3/4 Mean pitch of stay tubes in nest NONE Pitch in outer vertical rows  
 eter of tube holes FRONT 2 3/4 BACK Working pressure of tube plates by rules Tubes: Material STEEL  
 al diameter 2 3/4 Thickness 9 W.G. No. of threads per inch Pitch of Tubes 5'-4 9/16" x 3"  
 ng pressure by rules Manhole compensation; Size of opening in shell plate NONE Section of compensating  
 No. of rivets and diameter of rivet holes Outer row pitch at ends

The foregoing is a correct description,  
 MARSHALL & ANDERSON LIMITED  
 Manufacturer.

(During progress of) 1951. Dec. 20. 24. 27. (1952) Jan 10.  
 work in shops -  
 During erection on  
 board vessel -  
 Total No. of visits 4.

Drawing No. 5811

Is the approved plan of boiler forwarded herewith No, will be  
 forwarded with Boiler  
 3207/2.

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

boiler has been built under Special Survey in accordance with the approved plan and the Rules  
 the Society for Boilers.  
 materials have been tested under the supervision of the Society's Surveyors, and so far as could be seen  
 found to be sound and free from defects.  
 the workmanship is good.  
 boiler is intended for installation in Ship No. 787 built by Wm. Doxford & Sons Ltd., Sunderland.

This boiler has been securely fixed on board & Safety Valves  
 adjusted, under full working conditions, to working pressure  
 In recommendation please see Machinery Rpt.

W. H. Fraser L. Armstrong

Survey Fee ... £ 10 : : When applied for 29 JAN 1952 19  
 Travelling Expenses (if any) £ : : When received 19

Committee's Minute

Signed

Deferred for completion

Engineer Surveyor to Lloyd's Register of Shipping.

See F.E. Machinery Rpt. No. 3036

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