

REPORT ON BOILERS.

No. 74231

Date of writing Report JAN 26 52 When handed in at Local Office 4.2.52 Port of GLASGOW Received at London Office 13 FEB 1952

No. in Survey held at MOTHERWELL Date, First Survey 20-12-51 Last Survey 14-1-1952
 Reg. Book CALTEX DELHI. (Number of Visits 7) Tons 852 Gross 4808 Net

Built at Wm Doxford & Sons Ltd. By whom built Wm Doxford & Sons Ltd. Yard No. 748 When built 1951

Boilers made at BROOKSIDE MOTHERWELL By whom made MARSHALL & ANDERSON LTD Boiler No. 3207/3 When made DEC. 1951

Owners Overseas Tankships (U.K.) Ltd Port belonging to London.

VERTICAL DONKEY BOILER— No. 1 Description CLARKSON EXHAUST GAS Manufacturers of steel COLVILLES LTD
 Made at MOTHERWELL By whom made MARSHALL & ANDERSON LTD When made 12/1951 Where fixed upper boiler Working pressure 100 lbs/sq
 tested by hydraulic pressure to 200 Date of test 17-1-52 No. of Certificate 23587 Fire grate area 100 Description of safety valves Double Spring
 No. of safety valves 2 Area of each 1.460 Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler Yes Diameter of donkey boiler 13 1/2" Length 5' 9 1/2" Material of shell plates DOUBLE RIVETED Thickness 13/32"
 Range of tensile strength 28/32 Description of riveting long. seams DOUBLE BUTT STRAP Diameter of rivet holes 13/16" Whether punched or drilled DRILLED Pitch of rivets 2 7/8" Lap of plating 5' 6" Per centage of strength of joint Plates Working pressure of shell by rules 5' 6" Thickness of shell crown plates 5/8" Radius of do. 3' 0" No. of stays to do. NONE Diameter of stays 3' 0" Diameter of furnace—Top 3' 1" Bottom 5' 9 1/2" Length of furnace 3' 4" Description of joint Fusion Welded Working pressure of furnace by rules 25/32" Thickness of Ogee ring 25/32" Working pressure of Ogee ring by rules 25/32" Thickness of furnace crown plates 5/8" Radius of do. 3' 0" Stayed by 1' 9" Diameter of uptake 1' 9" Thickness of uptake plates 9/16" Thickness of tube plates 3/4" Mean pitch of stay tubes in nest NONE Pitch in outer vertical rows 1' 9"
 Diameter of tube holes 2 3/4" Working pressure of tube plates by rules 2 3/4" Tubes: Material STEEL
 External diameter 2 3/4" Thickness 9/16" No. of threads per inch 5-497 x 3" Pitch of Tubes 5-497 x 3"
 Working pressure by rules Manhole compensation; Size of opening in shell plate Section of compensating ring No. of rivets and diameter of rivet holes Outer row pitch at ends Is the approved plan of boiler forwarded herewith

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

Dates of Survey During progress of work in shops 1951 Dec. 20-24-27. (1952) Jan. 3-10-15-17. Drawing No. 5811
while building During erection on board vessel
 Total No. of visits 7 Is the approved plan of boiler forwarded herewith YES

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

The boiler has been built under Special Survey in accordance with the approved plan & the Rules of the Society for Boilers
 The materials have been tested under the supervision of the Society's Surveyors and so far as could be seen were found to be sound and free from defects
 The workmanship is good
 The boiler is intended for installation in Ship N° 788 built by Wm Doxford & Sons Ltd. Sunderland.

This boiler has been securely fitted on board the vessel
 & the Safety valves adjusted under steam to working pressure
W. Armstrong

Survey Fee £ 10 : - : - When applied for 12 FEB 1952
 Travelling Expenses (if any) £ - : 4 : - When received 19

Committee's Minute

Assigned

GLASGOW 12 FEB 1952 LVD
Deferred for completion

FRI, 26 SEP 1952

G. Rundle.

Engineer Surveyor to Lloyd's Register of Shipping.

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