

## REPORT ON BOILERS.

No. 1587.

JUN 18 1937

Received at London Office

Writing Report 17<sup>th</sup> June, 1937. When handed in at Local Office 17<sup>th</sup> June, 1937. Port of Mahrö  
 in Survey held at Mahrö Date, First Survey 3rd June Last Survey 13<sup>th</sup> June, 1937  
 Book (Number of Visits 5) Gross 6607  
 201 on the T.S.M.S. "TRITON" Tons 4045  
 at Mahrö By whom built Hockmarr M. V. Aktiel Yard No. 164 When built 1930  
 nes made at Mahrö By whom made Hockmarr M. V. Aktiel Engine No. 50251 When made 1930  
 r<sup>s</sup> made at Amman By whom made Cochran & Co. Amman, Ltd. Boiler No. 13511 When made 1937  
 rs Wille. Wilhelmsson Port belonging to Sönderberg

## VERTICAL DONKEY BOILER.

e at Mahrö By whom made Hockmarr M. V. Aktiel Boiler No. 164 When made 1930 Where fixed In motor space  
 ufacturers of Steel Mahrö Is forced draught fitted Oil  
 l Heating Surface of Boiler Oil  
 and Description of Boilers Working pressure  
 ed by hydraulic pressure to Date of test No. of Certificate Two, direct spring loaded.  
 of Firegrate in each Boiler No. and Description of safety valves to each boiler  
 of each set of valves per boiler per rule 2800 mm<sup>2</sup> Pressure to which they are adjusted 100 lbs. Are they fitted with easing gear yes  
as fitted 3927 mm<sup>2</sup>  
 e whether steam from main boilers can enter the donkey boiler yes Smallest distance between boiler or uptake and bunkers  
woodwork yes Is oil fuel carried in the double bottom under boiler yes Smallest distance between base of boiler and tank top plating  
800 mm. Is the base of the boiler insulated yes bricks Largest internal dia. of boiler Height  
 l plates: Material Tensile strength Thickness  
 the shell plates welded or flanged Description of riveting: circ. seams end long. seams  
inter.  
 of rivet holes in circ. seams Pitch of rivets Percentage of strength of circ. seams plate of Longitudinal joint plate  
long. seams rivets combined  
 king pressure of shell by rules Thickness of butt straps outer  
inner  
 l Crown: Whether complete hemisphere, dished partial spherical, or flat Material  
 ile strength Thickness Radius Working pressure by rules  
 cription of Furnace: Plain, spherical, or dished crown Material Tensile strength  
 kness External diameter top Length as per rule Working pressure by rules  
bottom  
 h of support stays circumferentially and vertically Are stays fitted with nuts or riveted over  
 meter of stays over thread Radius of spherical or dished furnace crown Working pressure by rule  
 kness of Ogee Ring Diameter as per rule D Working pressure by rule  
a  
 mbustion Chamber: Material Tensile strength Thickness of top plate  
 us if dished Working pressure by rule Thickness of back plate Diameter if circular  
 gth as per rule Pitch of stays Are stays fitted with nuts or riveted over  
 meter of stays over thread Working pressure of back plate by rules  
 e Plates: Material front Tensile strength Thickness Mean pitch of stay tubes in nests  
back  
 omprising shell, Dia. as per rule front Pitch in outer vertical rows Dia. of tube holes FRONT stay BACK stay  
back plain plain  
 ach alternate tube in outer vertical rows a stay tube Working pressure by rules front  
back  
 lders to combustion chamber tops: Material Tensile strength  
 th and thickness of girder at centre Length as per rule  
 tance apart No. and pitch of stays in each Working pressure by rule

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**Crown stays:** Material \_\_\_\_\_ Tensile strength \_\_\_\_\_ Diameter { at body of stay, \_\_\_\_\_  
or \_\_\_\_\_  
over threads \_\_\_\_\_  
No. of threads per inch \_\_\_\_\_ Area supported by each stay \_\_\_\_\_ Working pressure by rules \_\_\_\_\_  
**Screw stays:** Material \_\_\_\_\_ Tensile strength \_\_\_\_\_ Diameter { at turned off part, \_\_\_\_\_  
or \_\_\_\_\_  
over threads \_\_\_\_\_ No. of threads per inch \_\_\_\_\_  
Area supported by each stay \_\_\_\_\_ Working pressure by rules \_\_\_\_\_ Are the stays drilled at the outer ends \_\_\_\_\_  
**Tubes:** Material \_\_\_\_\_ External diameter { plain \_\_\_\_\_ Thickness { \_\_\_\_\_  
stay \_\_\_\_\_  
No. of threads per inch \_\_\_\_\_ Pitch of tubes \_\_\_\_\_ Working pressure by rules \_\_\_\_\_  
**Manhole Compensation:** Size of opening in shell plate \_\_\_\_\_ Section of compensating ring \_\_\_\_\_ No. of rivets and \_\_\_\_\_  
of rivet holes \_\_\_\_\_ Outer row rivet pitch at ends \_\_\_\_\_ Depth of flange if manhole flanged \_\_\_\_\_  
**Uptake:** External diameter \_\_\_\_\_ Thickness of uptake plate \_\_\_\_\_  
**Cross Tubes:** No. \_\_\_\_\_ External diameters { \_\_\_\_\_ Thickness of plates \_\_\_\_\_  
Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with \_\_\_\_\_

The foregoing is a correct description.

Dates of Survey { During progress of work in shops - - } Is the approved plan of boiler forwarded herewith (If not state date of approval.)  
while building { During erection on board vessel - - } 3/6, 5/6, 7/6, 11/6, 13/6. 1937. Total No. of visits 5.

Is this Boiler a duplicate of a previous case \_\_\_\_\_ If so, state Vessel's name and Report No. \_\_\_\_\_

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

This boiler has been built under special survey as per Glasgow report No. 58377 and has been installed onboard under our inspection and to our satisfaction.

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

Committee's Minute  
Assigned

TUE 10 AUG 1937

See Memo Rpt. 1587