

5a.

REPORT ON BOILERS.

No. 99511

Received at London Office 13 DEC 1933

Writing Report Dec 7 1933 When handed in at Local Office Dec 7 1933 Port of LONDON

Survey held at LONDON Date, First Survey 27 July Last Survey 30 November 1933
(Number of Visits 3) Tons {Gross 9949
Net 5647

2. on the T.W.S. "FORDSDALE"
Built at Sydney N.S.W. By whom built Commonwealth Dryd. Yard No. ✓ When built 1924
Engine No. ✓ When made 1924
Boiler No. ✓ When made ✓
By whom made ✓
Owners Shaw Savill & Albion L^{td} Port belonging to London
Horse Power 1205

WATER TUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Superheaters fitted (Letter for Record ✓)
Is forced draught fitted ✓ Coal or Oil fired ✓
Working Pressure ✓

and Description of Boilers
Tested by hydraulic pressure to ✓ Date of test ✓ No. of Certificate ✓ Can each boiler be worked separately ✓

Number of Firegrate in each Boiler ✓ No. and Description of safety valves to each boiler ✓
Number of each set of valves per boiler {per Rule ✓ Pressure to which they are adjusted ✓ Are they fitted with easing gear ✓
as fitted ✓

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
Smallest distance between boilers or uptakes and bunkers or woodwork ✓ Is oil fuel carried in the double bottom under boilers ✓
Smallest distance between shell of boiler and tank top plating ✓ Is the bottom of the boiler insulated ✓

Largest internal dia. of boilers ✓ Length ✓ Shell plates: Material ✓ Tensile strength ✓
Thickness ✓ Are the shell plates welded or flanged ✓ Description of riveting: circ. seams {end ✓
inter. ✓

Percentage of strength of circ. end seams {plate ✓ Diameter of rivet holes in {circ. seams ✓ Pitch of rivets {
rivets ✓ long. seams ✓ Percentage of strength of circ. intermediate seam {plate ✓
rivets ✓

Percentage of strength of longitudinal joint {plate ✓ Working pressure of shell by Rules ✓
rivets ✓ combined ✓

Thickness of butt straps {outer ✓ No. and Description of Furnaces in each Boiler ✓
inner ✓ Tensile strength ✓ Smallest outside diameter ✓
Material ✓ Thickness of plates {crown ✓ Description of longitudinal joint ✓
bottom ✓ Working pressure of furnace by Rules ✓

Dimensions of stiffening rings on furnace or c.c. bottom ✓ Thickness ✓ Pitch of stays ✓
End plates in steam space: Material ✓ Tensile strength ✓ Working pressure by Rules ✓
How are stays secured ✓ Tube plates: Material {front ✓ Tensile strength {
back ✓ Thickness {
Working pressure {front ✓
back ✓

Mean pitch of stay tubes in nests ✓ Pitch across wide water spaces ✓ Working pressure {front ✓
back ✓
Girders to combustion chamber tops: Material ✓ Tensile strength ✓ Depth and thickness of girder ✓
at centre ✓ Length as per Rule ✓ Distance apart ✓ No. and pitch of stays ✓
in each ✓ Working pressure by Rules ✓ Combustion chamber plates: Material ✓
Tensile strength ✓ Thickness: Sides ✓ Back ✓ Top ✓ Bottom ✓

Pitch of stays to ditto: Sides ✓ Back ✓ Top ✓ Are stays fitted with nuts or riveted over ✓
Working pressure by Rules ✓ Front plate at bottom: Material ✓ Tensile strength ✓
Thickness ✓ Lower back plate: Material ✓ Tensile strength ✓ Thickness ✓

Pitch of stays at wide water space ✓ Are stays fitted with nuts or riveted over ✓
Working Pressure ✓ Main stays: Material ✓ Tensile strength ✓
Diameter {At body of stay, ✓ No. of threads per inch ✓ Area supported by each stay ✓
or ✓ Over threads ✓ Screw stays: Material ✓ Tensile strength ✓

Working pressure by Rules ✓ No. of threads per inch ✓ Area supported by each stay ✓
Diameter {At turned off part, ✓ or ✓ Over threads ✓



