

REPORT ON BOILERS.

L.An.Blr.Rpt.
No. L.A. 50

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Port of LOS ANGELES, CALIFORNIA
 Survey held at LOS ANGELES HARBOR, CALIF. Date, First Survey 10th April Last Survey 29th April 1942
 on the 5/5 "Ocean Verity" (Number of Visits 14) Tons { Gross 7174 Net 4272
 By whom built Todd-California Shipbuilding Division Yard No. 24 When built 1942
Hamilton, Ohio of the Permalite Metals Corporation
 By whom made Western Pipe & Steel Co. Engine No. 50 L.A. When made 1942
Los Angeles, Calif.
 By whom made Western Pipe & Steel Co. Boiler No. 50, L.A. When made 1942
Los Angeles, Calif.
 Owners British Government Port belonging to London

TITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Lukens Steel Co., Bethlehem Steel Co., Taylor Pipe & Forge Works (Letter for Record S)
 Heating Surface of Boilers (1) 2380 sq. ft. Is forced draught fitted Yes Coal ~~or oil~~ fired Yes
 Description of Boilers one (1) Scotch Type Working Pressure 220 lbs.
 Are drained by hydraulic pressure to 380 lbs. Date of test 28th Apr. '42 No. of Certificate 50 L.A. Can each boiler be worked separately
 Firegrate in each boiler 43 sq. ft. No. and Description of Safety valves to each boiler
 each set of valves per boiler { per Rule _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____
 as fitted _____
 of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 distance between boilers or uptakes and bunkers or woodwork _____ Is oil fuel carried in the double bottom under boilers
 distance between shell of boiler and tank top plating _____ Is the bottom of the boiler insulated
 internal diameter of boilers 14' 6³/₁₆" Length 11' 6¹⁵/₁₆" Shell plates: Material Steel Tensile strength 65000/75000
1¹³/₃₂" Are the shell plates welded or flanged No Description of riveting: circ. seams { end Double zigzag
 inter. _____
 T.R.D.B.S. Diameter of rivet holes in { circ. seams 1¹/₂" Pitch of rivets { 4.25"
 long. seams 1¹/₂" { 10"
 of strength of circ. end seams { plate 64.7 Percentage of strength of circ. intermediate seam { plate None fitted
 rivets 47 { rivets None fitted
 of strength of longitudinal joint { plate 85.0
 rivets 93.4
 combined 88.8
 of butt straps { outer 1³/₃₂" No. and Description of Furnaces in each Boiler Three (3) Morrison Type
 inner 1⁷/₃₂" Steel Tensile strength 58000/68000 Smallest outside diameter 3' 5⁹/₁₆"
 plain part { top 9³/₁₆" Thickness of plates { crown 21/32 Description of longitudinal joint Welded
 bottom 9³/₁₆" { bottom 21/32
 of stiffening rings on furnace or c.c. bottom None fitted
 stays in steam space: Material Steel Tensile strength 58000/68000 Thickness 1¹/₃₂" RD 1¹/₃₂" Pitch of stays 21¹/₄" x 21"
 stays secured Double Nuts
 stays: Material { front Steel Tensile strength { 58000/68000 Thickness { 1¹/₃₂" F
 back Steel { 58000/68000 { 1³/₁₆" B
 of stay tubes in nests 9⁷/₁₆" 9.7 Pitch across wide water spaces 14¹/₂" x 8¹/₄"
 combustion chamber tops: Material Steel Tensile strength 65000/75000 Depth and Thickness of girder
21¹/₄" - 2 x 7⁷/₈" Length as per Rule 2' 10" Distance apart 11" No. and pitch of stays
3 x 7⁵/₈"
 Combustion chamber plates: Material Steel
 Thickness: Sides 25/32" Back 23/32" Top 25/32" Bottom 25/32"
 stays to ditto: Sides 9" x 10⁷/₃₂" Back 9" x 9" Top 11" x 7⁵/₈" Are stays fitted with nuts or riveted over Nuts
 stays at bottom: Material Steel Tensile strength 58000/68000
1¹/₃₂" Lower back plate: Material Steel Tensile strength 58000/68000 Thickness 1¹/₃₂"
 stays at wide water space 15" x 9" Are stays fitted with nuts or riveted over Nuts
 stays: Material Steel Tensile strength 65000/75000
 At body of stay 3¹/₂"
 or 3³/₄" No. of threads per inch Six (6)
 Over threads
 stays: Material Steel Tensile strength 58000/68000
 At turned off part 1⁷/₈" 1³/₄" No. of threads per inch Nine (9)
 Over threads

