

# Lloyd's Register of Shipping

## SURVEYS FOR FREEBOARD - STEAMERS

(Under the Provisions of the U. S. A. Load Line Act of March 2, 1929)

New York Office Index No. ....  
 Port of Survey Newport News, Va.  
 Date of Survey May 26<sup>th</sup> 1948 and subsequent dates  
 Name of Surveyor J. G. Buchanan  
R. S. Hasagensen

S.S. <b>"OAKLEY L. ALEXANDER"</b> (EX. "LACONIA VICTORY")	Port of Registry and Nationality <u>Wilmington Del.</u> U.S.A.	Official Number <u>247479</u>	Gross Tonnage <u>7751</u>	Date of Build. <u>1945</u>	CLASSIFICATION <u>100A1</u>	Particulars of Classification <b>LIMITS FOR SPECIAL SERVICE :-</b> <u>NORFOLK, VA. TO PENOBSCOT BAY, ME</u> DISTANCE OFF SHORE LIMITED TO 100 MILES.
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Owner POCAHONTAS STEAMSHIP CO. Builder ..... Hull No. ....  
 Moulded dimensions 437.69 × 62.00 × 38.00 (85% = .....)  
 Moulded displacement at a moulded draught of 85 per cent. of moulded depth ..... 17230  
 Coefficient of fineness for use with tables ..... .688

DEPTH FOR FREEBOARD.	CORRECTION FOR DEPTH.	CAMBER
Moulded depth ... .. <u>38.00</u>	(a) When <b>D</b> is greater than $\frac{L}{15}$	Standard $\frac{62 \times 12}{50} = \dots$ <u>14.88</u>
Stringer plate <u>.94" double 1.00"</u> ... .. <u>.16</u>	$(D - \frac{L}{15}) \times R = (38.16 - 29.19) \times 3.00$ <u>26.94</u>	Ship (Equivalent) ... .. <u>5.85</u>
Sheathing in wells } $T \left( \frac{L-S}{L} \right) =$ ... ..	(b) When <b>D</b> is less than $\frac{L}{15}$ (if allowed)	Difference ... .. <u>9.63</u>
Depth <b>D</b> = ... .. <u>38.16</u>	$(\frac{L-D}{15}) \times R = \dots$ ... ..	Restricted to ... ..
	If restricted by height of superstructures ... ..	Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = +1.81$

**SUPERSTRUCTURES**

	Mean Covered Length S.	Effective Length S <sub>1</sub> (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed ... ..					
" overhang ... ..					
R.Q.D. enclosed ... ..					
" overhang ... ..					
Bridge enclosed ... ..					
" overhang aft ... ..					
" overhang forward ... ..					
Fore enclosed ... ..	<u>87.00</u>	<u>87.00</u>			<u>87.00</u>
" overhang ... ..					
Trunks forward } <b>NOT EFFICIENT</b>					
" aft ... ..					
Tonnage opening ... ..					
Total =	<u>87.00</u>	<u>87.00</u>			<u>87.00</u>

Length of ship (L) = 19.88  
 % Covered ... = 19.88  
 Corresponding %, corrected for absence of forecastle if required } **TANKER** = 13.92  
 Allowance ... = 13.92 × 42.00 = -5.85  
 Correction for Bridge less than 2L if required }

**SHEER.**

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	<u>66.38</u>	<u>53.77</u>	<u>53.77</u>	1	<u>53.77</u>
2	<u>32.25</u>	<u>23.93</u>	<u>23.93</u>	4	<u>95.72</u>
3	<u>1.25</u>	<u>5.92</u>	<u>5.92</u>	2	<u>11.84</u>
4		<u>11.84</u>		4	
5		<u>46.85</u>		2	
6	<u>20.06</u>	<u>20.54</u>	<u>20.54</u>	4	<u>82.16</u>
F.P. 7	<u>48.01</u>	<u>66.00</u>	<u>66.00</u>	1	<u>66.00</u>

If excess sheer forward and deficient sheer aft:-  
 Actual sheer aft / Standard sheer aft = Excess  
 Actual sheer forward / Standard sheer forward = Deficient

Mean effective sheer ... .. = 17.19  
 Standard sheer .05 L + 5 = 26.68  
 Difference (Df) ... .. = 9.69  
 Allowance =  $Df \times (.75 - \frac{S}{2L}) = 9.69(.75 - .099)$  = +6.31  
 If limited on account of amidship superstructure ... .. =  
 If limited on account of excess sheer (1 1/2 in. per 100 ft.) ... .. =

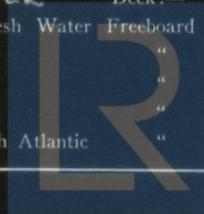
Length of enclosed superstructure L  
 Forward of amidships =  
 Aft of amidships =

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD	Summer Freeboard
Moulded Depth <b>D</b> = <u>38' 0"</u>	Displacement =	(corrected for flush deck if required) = <u>71.90</u>	
Stringer Plate = <u>.94" double 1.25"</u>	Tons per inch =	Corrected for Coefficient $\frac{689 + .68}{1.36} = \frac{1.38}{1.36}$	<u>72.96</u>
Freeboard		Correction for Depth ... ..	
Moulded draught		" Superstructures ... ..	
Addition for keel below base line	<u>40</u> × = <u>7 1/2"</u>	" Sheer ... ..	
Extreme draught		" Camber ... ..	
		" Thickness of deck	
		" Scantlings, etc <b>FOR SPECIAL SERVICE COASTWISE COLLIER. (PART 44)</b>	
		39.64	<u>33.79</u>
		Summer Freeboard =	<u>106.75</u>

Special Service Coastwise SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line

Line	Distance	Line	Distance
Tropical Fresh Water Line (above center of Disc)		Tropical Fresh Water Freeboard	<u>8' 11"</u>
Fresh Water Line	<u>1' - 4 3/4"</u>	Fresh Water	<u>8' - 3 1/2"</u>
Tropical Line		Tropical	
Winter Line <b>C.W. ABOVE</b>	<u>2 1/4"</u>	Winter	
Winter North Atlantic Line		Winter North Atlantic	<u>9' - 6"</u>

UPPER Deck:-



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Note:—The Rules referred to below are the Load Line Regulations of the United States Department of Commerce.  
(These should be consulted when completing the report)

Is the poop or raised quarter deck connected with the bridge?  
 Has the poop or raised quarter deck an efficient steel bulkhead at the fore end?  
 Give particulars of the means of closing the openings in this bulkhead (Rules 43 and 44)  
 Has the bridge an efficient steel bulkhead at the fore end?  
 Give particulars of the means of closing the openings in this bulkhead  
 Has the bridge an efficient steel bulkhead at the after end?  
 Give particulars of the means of closing the openings in this bulkhead  
 Has the forecastle an efficient steel bulkhead at the after end?  
 Give particulars of the means of closing the openings in this bulkhead  
 Are the engine and boiler openings covered by a bridge, poop, raised quarter-deck, or enclosed by a strong steel deckhouse?  
 If the openings are not so protected, are the exposed parts of the casing efficiently constructed?  
 Give thickness of plating, scantlings and spacing of stiffeners  
 Are Rules Nos. 19, 20, 21 and 22 complied with (where applicable)?

Particulars of bulkheads of erections:

	Poop or Raised Quarter-Deck Bulkhead	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating				
Scantlings of stiffeners				
Spacing of stiffeners, and if bracketed				
Height of sills of openings above deck				

Particulars of weather deck hatchways. (In case of complete superstructure vessels having tonnage openings, give, in addition, particulars of 2nd deck hatchways, and also of those in bridge spaces closed by Class 2 appliances, or in open bridges).

Position and Size.	Ship.	Rule.								
COAMING.										
Height above top of DECK										
Thickness { Sides.....										
{ Ends.....										
SHIFTING BEAMS OR WEB PLATES.										
Number.....										
Section and Scantlings.....										
Material.....										
* FORE AND AFTERS.										
Number.....										
Section and Scantlings.....										
Material.....										
HATCHES Thickness.....										
Remarks.....										

SEE PRT. FOR INTERNATIONAL FREEBOARD

\* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.

Are Rules 12, 13, 14, 15, 16, 17, 18 complied with as far as practicable?  
 Are hatchway coamings stiffened in accordance with Rule 9?

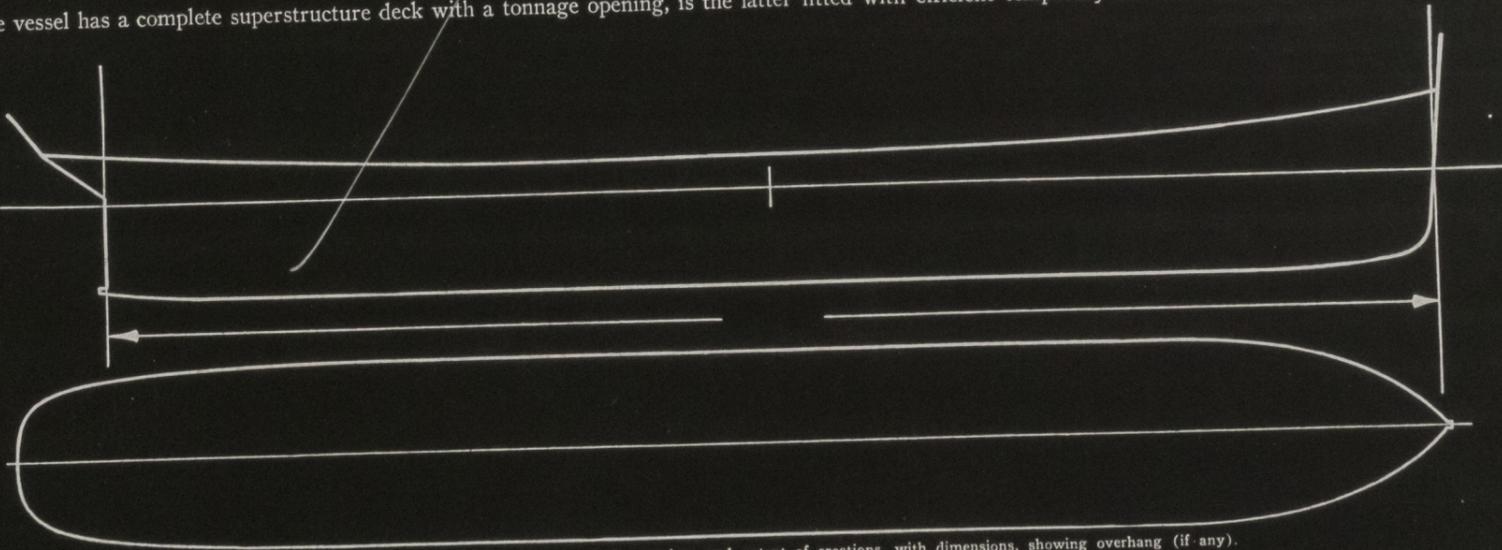
Length of bulwarks in wells—forward: \_\_\_\_\_ feet; aft: \_\_\_\_\_ feet.  
 Area of freeing ports required by regulations (Rules 30 and 100) forward: \_\_\_\_\_ sq. ft.; aft: \_\_\_\_\_ sq. ft.  
 No. Ft. × Ft.

Particulars of freeing ports fitted on each side of vessel { forward well } \_\_\_\_\_ sq. ft.  
 { after well } \_\_\_\_\_ sq. ft.

Are Rules 23 and 24 complied with as far as practicable?  
 Are air pipes to tanks in accordance with Rule 25?  
 Are all scuppers and sanitary discharge pipes in accordance with Rule 27?

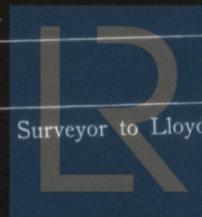
In oil tankers, what is the extent of the fore and aft gangway? \_\_\_\_\_ Are the crew berthed in the forecastle? (Rule 96) \_\_\_\_\_  
 Is the gangway strong and efficiently braced fore and aft? \_\_\_\_\_ State spacing of supports \_\_\_\_\_ feet.  
 In oil tankers, are the bulwarks open for at least half the length of the exposed portion of the weather deck? (Rule 100) \_\_\_\_\_  
 Are Rules Nos. 95, 97, 98 and 99 complied with as far as practicable? \_\_\_\_\_

If the vessel has a complete superstructure deck with a tonnage opening, is the latter fitted with efficient temporary covers? \_\_\_\_\_



Indicate thickness and extent of any deck covering, and extent of erections, with dimensions, showing overhang (if any).  
 Indicate position of scuppers from tonnage-exempted spaces above freeboard deck.

Sister vessels: \_\_\_\_\_  
 Fee: \_\_\_\_\_ Expenses (if any) \_\_\_\_\_



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