

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. 37303.

Port of Survey... Mobile, Ala. and Norfolk, Va.

Date of Survey... Dec. 1942-April 26, 1943

Name of Surveyor... T. O. Dodd and R. A. Kennedy

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
S.S. "POLONAISE" ex "RAPALLO"	Panama Panamanian		5742	1922	100A1 "Carrying Petroleum in Bulk"

Owner.....	Builder.....	Hull No.....
Moulded dimensions 378.5 × 52.0 × 30.25 (85% = 25.71)		
Moulded displacement at a moulded draught of 85 per cent. of moulded depth		
Coefficient of fineness for use with tables74 estimated		

DEPTH FOR FREEBOARD.		CORRECTION FOR DEPTH.		CAMBER
Moulded depth 30.25		(a) When D is greater than $\frac{L}{15}$		Standard $\frac{52 \times 12}{50} = \dots 12.48$
Stringer plate04		$(D - \frac{L}{15}) \times R = (30.25 - 25.71) 2.911 = 13.474$		Ship 13"
Sheathing in wells } $T(\frac{L-S}{L}) =$		(b) When D is less than $\frac{L}{15}$ (if allowed)		Difference52
Depth D = ... 30.29		$(\frac{L}{15} - D) \times R = \dots \dots \dots$		Restricted to
		If restricted by height of superstructures		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = \frac{.52 \times .29}{4} = .037$

SUPERSTRUCTURES

	Mean Covered Length S.	Effective Length S ₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed 23 7.00		23 7.00	7.50	-	23 7.00
" overhang aft					
" overhang forward					
F'cle enclosed 36.50		36.50	"	-	36.50
" overhang					
Trunks forward 29.22		29.22	"	-	29.22
" aft					
Tonnage opening					

Total = 502.72
 Length of ship (L) = 378.50
 % Covered ... = 92.35
 Corresponding %, corrected for absence of forecastle if required } A = 72.26
 Allowance ... = 40.56
 Correction for Bridge less than 2 if required } = 30.54

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	7 3.75	4 7.85	7 3.75	1	7 3.75
2	3 0.50		3 0.50	4	12 2.00
3	6.50		6.50	2	13.00
4				4	
5	1 3.00		1 3.00	2	2 6.00
6	4 9.50		4 9.50	4	19 8.00
F.P. 7	1 0 8.00	9 5.70	1 0 8.00	1	1 0 8.00

Mean effective sheer ... = 30.04
 Standard sheer .05 L + 5 = 23.92
 Difference (Df) ... = 6.12
 Allowance = $Df \times (\frac{.75 - S}{2L}) = 6.12 \times .2887 = 1.76$
 If limited on account of amidship superstructure ... = -2.38
 If limited on account of excess sheer (1½ in. per 100 ft.) ... =

If excess sheer forward and deficient sheer aft:—

Actual sheer aft =
 Standard sheer aft =
 Actual sheer forward = } Excess
 Standard sheer forward =

Length of enclosed superstructure L

Forward of amidships =
 Aft of amidships = } Tanker

DRAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required)	
Moulded Depth D = 30'-3"		Corrected for Coefficient $\frac{.74 + .68}{1.36} = 1.36$	57.57
Stringer Plate = 30'-3"	Displacement =		60.09
Freeboard 3'-6"	Tons per inch =		
Moulded draught 26'-9"		Correction for Depth ... 14.74	
Addition for keel below base line 2"		" Superstructures ... 30.54	
Extreme draught 26'-11"	40 × 6"	" Sheer ... 2.36	
		" Camber03	
		" Thickness of deck ...	
		" Scantlings, etc ...	
		Summer Freeboard = 42.50	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Upper	Deck:—
Tropical Fresh Water Line (above center of Disc) 158 342	3'-6" 1079
Fresh Water Line " " 171 171	2'-4½" 737
Tropical Line " " 171 171	2'-11¼" 909
Winter Line (below " ") 171 171	2'-11¼" 908
Winter North Atlantic Line " " 108 267	4'-1" 1250
	4'-5" 1346

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?	Yes
Give particulars of the means of closing the openings in this bulkhead	No openings
Has the forecastle an efficient steel bulkhead at the after end?	Yes
Give particulars of the means of closing the openings in this bulkhead	One Hinged Steel Door
Are the engine and boiler openings covered by a bridge, poop, raised quarter-deck, or enclosed by a strong steel deckhouse?	Deckhouse on Poop
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)?	Yes

	Poop or Raised Quarter-Deck Bulkhead	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating	-	3/8 ✓	-	3/8
Scantlings of stiffeners	-	9 x 3 x 1/2" Channel ✓	-	6 x 3 x 3/8 L
Spacing of stiffeners, and if bracketed	-	27"-28" Yes ✓	-	30" -42" Yes
Height of sills of openings above deck	-		-	18"

[illegible]

Are Rules 12, 13, 14, 15, 16, 17, 18 complied with as far as practicable? **Yes** ✓

Are hatchway coamings stiffened in accordance with Rule 9? **Yes** ✓

Length of bulwarks in wells—forward: _____ feet; aft: _____ feet.

Area of freeing ports required by regulations (Rules 30 and 100) forward: **150** sq. ft.; aft: **open rails** sq. ft.

Particulars of freeing ports fitted { forward } **110.25 x 12.08 = 1328** sq. ft. **accept on account excess sheer** ✓
on each side of vessel { well } **103.0 x 1.50 = 154.5** sq. ft.
{ after } **open rails on bridge deck** ✓
{ well } _____ sq. ft.

Are Rules 23 and 24 complied with as far as practicable? **Yes** ✓

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? **Frank to Rule B.H. to P.H.** ✓

Is the gangway strong and efficiently braced fore and aft? **Yes** ✓

Are the crew berthed in the forecabin? (Rule 96). **No**

State spacing of supports **15** feet.

In oil tankers, are the bulwarks open for at least half the length of the exposed portion of the weather deck? (Rule 100). **See above**

Are Rules Nos. 95, 97, 98 and 99 complied with as far as practicable? **Yes** ✓

A hand-drawn plan view of a ship's hull and deck layout. The hull is elongated and tapers at both ends. The deck is divided into several rectangular sections. On the left side, there are three large rectangular sections, each containing two smaller squares. On the right side, there is a large rectangular section containing six smaller squares, and a smaller rectangular section at the stern. A dimension line at the bottom indicates a length of 76 feet. The drawing is on a piece of paper with a horizontal line and a vertical line intersecting at the center.

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Surveyor to Lloyd's Register of Shipping.

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