

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. 16698
 Port of Survey... New York
 Date of Survey... Feb. - March 1940
 Name of Surveyor... W. Boylan

S.S. PANAMANIAN	Port of Registry and Nationality Panama	Official Number Panama	Gross Tonnage 15903	Date of Build 1904-1	Particulars of Classification Reclassification Contemplated
M.S.	Number in Register Book				100 A 1 with freeboard
Owner... Compania Transatlantica Centroamericana S.A. Panama			Builder... New York S. B. Corp.		Hull No.
Moulded dimensions 599.25 x 65.00 x 51.33 (85% =)			Coefficient of fineness for use with tables... 754 extended		

DEPTH FOR FREEBOARD.		CORRECTION FOR DEPTH.		CAMBER	
Moulded depth	51.33	(a) When D is greater than $\frac{L}{15}$		Standard $\frac{65 \times 12}{50} =$	15.60
Stringer plate	.08	$(D - \frac{L}{15}) \times R =$	$(51.60 - 39.95) \times 3 = 34.95$	Ship ...	8.50
Sheathing in wells	.29 x .6542	(b) When D is less than $\frac{L}{15}$ (if allowed)		Difference	7.10
$T(\frac{L-S}{L}) =$	51.60	$(\frac{L}{15} - D) \times R =$		Restricted to	
Depth D =		If restricted by height of superstructures		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) =$	$\frac{7.10}{4} \times (1 - \frac{65}{51.60}) = 1.16$

SUPERSTRUCTURES.					
	Mean Covered Length S.	Effective Length S. (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	2 04.2 5	2 04.2 5	8.0	-	20 4.25
" overhang aft	2.5 0	1.8 8	8.0	-	1.88
" overhang forward	.5 0	.2 5	8.0	-	.25
F'cle enclosed					
" overhang					
Trunks forward					
" aft					
Tonnage opening					
Total =	207.25	206.38			
Length of ship (L) =	599.25	599.25			206.38
% Covered ... =	34.58	34.44			34.44
Corresponding %, corrected for absence of forecastle if required } A =					
Allowance ... =	42.00				
		B = 22.77 - 5.0			
		x .1777			
				Correction for Bridge less than 2 L if required }	
				=	- 7.46

SHEER.					
Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	4 5	6 9.9 3	4 5	1	4 5
2	6	3 1.1 2	6 5	4	2 4
3	-	7.6 9	-	2	-
4	-	-	-	4	-
5	1 1	1 5.3 8	1 1	2	2 2
6	4 5	6 2.2 4	4 5	4	1 8 0
F.P. 7	1 1 7	1 3 9.8 5	1 1 7	1	1 1 7

Mean effective sheer ... 18) 3 8 8
 Standard sheer .05 L + 5 =
 Difference (Df) = 21.54
 Allowance = $Df \times (.75 - \frac{S}{2L}) = 13.42 \times .5771 = 7.74$
 If limited on account of amidship superstructure = -
 If limited on account of excess sheer (1 1/2 in. per 100 ft.) = -

If excess sheer forward and deficient sheer aft:
 $\frac{\text{Actual sheer aft}}{\text{Standard sheer aft}} =$ Deficient
 $\frac{\text{Actual sheer forward}}{\text{Standard sheer forward}} =$ Deficient
 Length of enclosed superstructure L
 Forward of amidships =) Deficient
 Aft of amidships =) Sheers

DRAFTS.		F. W. ALLOWANCE		TABULAR FREEBOARD (corrected for flush deck if required)	
Moulded Depth D =	51.33	Displacement =		Corrected for Coefficient	$\frac{.754 \times .68}{1.36} = 1.434$
Stringer Plate = (and Wood Deck)	.37	Tons per inch =			1.36
Freeboard	51.70			Correction for Depth	34.95
Moulded draught	16.70			" Superstructures	7.46
Moulded draught	35.00			" Sheer	7.74
Reduction for keel below base line	.33			" Camber	1.16
Extreme draught	35.33'			" Thickness of deck	1.22
				" Scantlings, etc. to correspond to a summer moulded draught of 35'.	26.46
					71.53
					7.46
					+ 64.07
					Summer Freeboard = 200.40

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel Shelter Deck:—			
Tropical Fresh Water Line (above center of Disc)	444 m/m	Tropical Fresh Water Freeboard	5090 m/m
Fresh Water Line	222 m/m	Fresh Water	4646 m/m
Tropical Line	222 m/m	Tropical	4868 m/m
Winter Line (below " ")	222 m/m	Winter	4868 m/m
Winter North Atlantic Line	-	Winter North Atlantic	5312 m/m



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.)

C.11 (Comp)

Is the poop or raised quarter deck connected with the bridge? No Poop or R.Q.D.
 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? Yes
 Give particulars of the means of closing the openings in this bulkhead No Openings
 Has the bridge an efficient steel bulkhead at the after end? Yes
 Give particulars of the means of closing the openings in this bulkhead Hinged Wood Doors
 Has the forecastle an efficient steel bulkhead at the after end? No Forecastle
 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? Yes
 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

Particulars of bulkheads of erections:

	Poop or Raised Quarter-Deck Bulkhead	Bridge front bulkhead	Bridge after bulkhead	Forecastle bulkhead
Thickness of bulkhead plating		7/16" & 3/8"	7/16" & 3/8"	
Scantlings of stiffeners		No particulars available	3 1/2 x 9/16	
Spacing of stiffeners, and if bracketed		30" Yes	34" No.	
Height of sills of openings above deck	-	No Openings	6"	

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.	No.1 15' x 14'		No.2 22'6" x 18'		Nos. 5, 4, 8 & 9 15' x 17'		No.7 20' x 17'		No.10 9'8" x 12'	
	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
Item.	Centre 21									
Height above top of DECK	Side 18*	24"	18"*	24"	18"	18"	18"	18"	18"	18"
COAMING Thickness	Sides	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16
	Ends	"	"	"	"	"	"	"	"	"
SHIFTING BEAMS OR WEB PLATES.	Number	1	2	1	2	1	2	1	1	
	Section and Scantlings	30"	Same	Same	Same	Same	Same	Same as No.1	Same as No.1	
	Material	3 1/2 x 3 1/2 x 1/2	as No. 1	as No.1	as No.1	as No.1	as No.1	as No.1	as No.1	
* FORE AND AFTERS.	Number	3	3	3	3	3	3	3	3	
	Section and Scantlings	9 x 4 1/2 x 5/8	Same as No.1	Same as No.1	Same as No.1	Same as No.1	Same as No.1	Same as No.1	Same as No.1	
	Material	steel	No.1	No.1	No.1	No.1	No.1	No.1	No.1	
HATCHES Thickness	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	2 5/8	
Remarks			Two tarpaulins on each hatch							

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

*Accepted in view of existing ship and scantling penalty

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: sq. ft.; aft: sq. ft.
 No. Ft. x Ft.

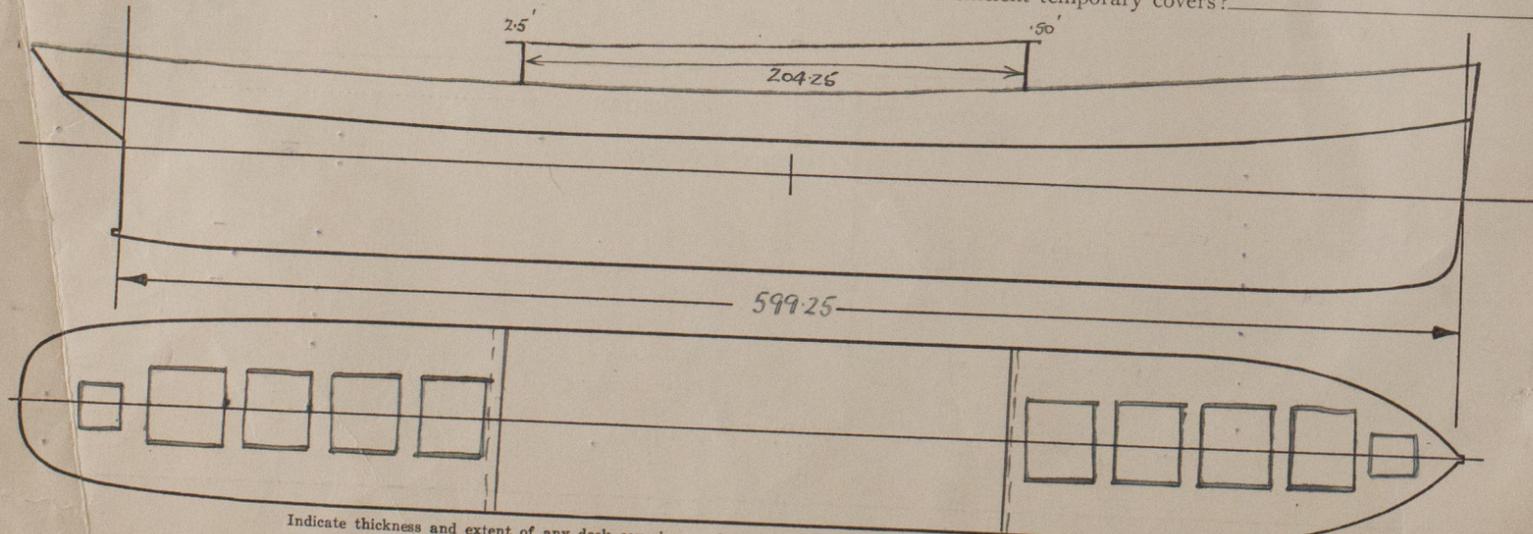
Particulars of freeing ports fitted on each side of vessel

forward well	} Open rails = sq. ft.
after well	} Open rails = sq. ft.

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

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? Yes

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: "PRESIDENT JOHNSON"

Fee: \$130.00

Expenses (if any)