

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.
 Date of Survey.
 Name of Surveyor.

Ship's Name.	Port of Registry and Nationality.	Official Number.	Gross Tonnage.	Date of Build.	Particulars of Classification.
GULF	BOSTON U.S.A.	216767	5438	1918-8	+100 A1

Register Book... 36581...
 Builder... New York, S. B. Corp...
 Dimensions 377.33 x 55 x 34.42 (85% = 29.26)
 Displacement at a moulded draught of 85 per cent. of moulded depth... 13320 tons
 Coefficient of fineness for use with tables... .768

FREEBOARD.	CORRECTION FOR DEPTH.	CAMBER
34.42	(a) When D is greater than $\frac{L}{15}$ $(D - \frac{L}{15}) \times R = (34.42 - 25.15) \times 2.903 = 9.33 \times 2.903 = 27.08$	Standard $\frac{55 \times 12}{50} = 13.20$
.06	(b) When D is less than $\frac{L}{15}$ (if allowed). $(\frac{L}{15} - D) \times R = \dots$	Ship ... 13.75
Depth D = 34.48	If restricted by height of superstructures ...	Difference55
		Restricted to ...
		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S}{L}) = \frac{.55}{4} \times (1 - \frac{.06}{34.42}) = .09$

SUPERSTRUCTURES.

Mean Covered Length S	Effective Length S ₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
2 6.50	2 6.50	8 ft.	-	2 6.50
6 7.50	6 7.50	8 ft.	-	6 7.50
3 1.00	3 1.00	8 ft.	-	3 1.00

TOTAL = 133
 Length of ship (L) = 377.33
 Covered... = 35.25
 Corrected for A = 34.71
 Allowance = 40.49
 Correction for Bridge less than 2 L if required } DOES NOT APPLY AS TANKER
 = 25.71
 = 10.41

SHEER.

Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
6.7 5	4 7.7 5	1 6.7 5	1	1 6.7 5
1.7 0	2 1.0 0	1.7 0	4	6.8 0
.4 0	5.2 5	.4 0	2	.8 0
5.8 5	1 0.5 0	5.8 5	4	1 1.7 0
3.4 0	4 2.0 0	2 3.4 0	2	3.6 0
1.0 0	9 5.4 6	8 1.0 0	4	8 1.0 0
			1	

If excess sheer forward and deficient sheer aft:-

Actual sheer aft
 Standard sheer aft =

Actual sheer forward
 Standard sheer forward =

Length of enclosed superstructure

Forward of amidships =

Aft of amidships =

$(.75 - \frac{S}{2L}) = 12.17 \times (.75 - .176) = 6.99$
 Amount of amidship superstructure
 Amount of excess sheer (1½ in. per 100 ft.)

AFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required)
34' 5"	Displacement =	Corrected for Coefficient $\frac{.768 + .68}{1.36} = 1.448$
34' 5"	Tons per inch =	
7' 3"		
27' 2"		
27' 5"		
	40 x	
		Correction for Depth ... 27.08
		" Superstructures ... 10.41
		" Sheer ... 6.99
		" Camber09
		" Thickness of deck ...
		" Scantlings, etc. ...
		Summer Freeboard = 84.58

FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel,

Tropical Fresh Water Line (above center of Disc)

Fresh Water Line

Tropical Line

Winter Line

Winter North Atlantic Line (below " ")

Deck:-

Tropical Fresh Water Freeboard

Fresh Water

Tropical

Winter

Winter North Atlantic

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