

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. G GULF	Port of Registry and Nationality. BOSTON U.S.A.	Official Number. 216767	Gross Tonnage. 5438	Date of Build. 1918 8 mos.	Particulars of Classification. +100 A1
Builder's Register Book. 36581		Builder. New York S. B. Corp.		Hull No. 192	
Moulded dimensions 377.33 × 55 × 34.42 (85% = 29.26)					
Moulded displacement at a moulded draught of 85 per cent. of moulded depth. 13320 tons					
Efficient of fineness for use with tables. .768					

FREEBOARD.	CORRECTION FOR DEPTH.	CAMBER
Depth D = 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 $\frac{55 \times 12}{50} = 13.20$
Depth D = 34.48	(b) When D is less than $\frac{L}{15}$ (if allowed). $(\frac{L}{15} - D) \times R = \dots$	Ship 13.75
	If restricted by height of superstructures 27.08	Difference .55
		Restricted to .09
		Allowance = $\frac{\text{Difference}}{4} \times (1 - \frac{S_1}{L}) = \frac{.55}{4} \times (1 - \frac{.09}{.65}) = .09$

SUPERSTRUCTURES.

Rule.	Mean Covered Length S.	Effective Length S ₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
...	26.50	26.50	8'0"	-	26.50
...	67.50	67.50	8'0"	-	67.50
...	31.00	31.00	8'0"	-	31.00

TOTAL =	133	131	131
Length of ship (L) =	377.33	377.33	377.33
Covered... =	35.25	34.71	34.71
Corrected for... =	TANKER	25.71	DOES NOT APPLY AS TANKER
Allowance ... =	40.49	10.41	

SHEER.

Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
16.75	47.73	16.75	1	16.75
1.70	21.00	1.70	4	6.80
.40	5.25	.40	2	.80
5.85	10.50	5.85	4	23.40
3.40	42.00	3.40	2	6.80
1.00	95.46	1.00	4	3.60
			1	1.00

If excess sheer forward and deficient sheer aft:—

$$\frac{\text{Actual sheer aft}}{\text{Standard sheer aft}} =$$

$$\frac{\text{Actual sheer forward}}{\text{Standard sheer forward}} =$$

$$\frac{\text{Length of enclosed superstructure}}{L} =$$

$$\text{Forward of amidships} =$$

$$\text{Aft of amidships} =$$

18)	210.65
	11.70
	23.87
	12.17
	6.99

RAFTS.	F. W. ALLOWANCE	TABULAR FREEBOARD (corrected for flush deck if required) =	57.31
34' 5"	Displacement =	Corrected for Coefficient $\frac{.768 + .68}{1.36} = 1.36$	61.01
34' 5 3/4"	Tons per inch =	Correction for Depth ... 27.08	
7' 0 3/8"		" Superstructures ... 10.41	
27' 5 1/4"		" Sheer ... 6.99	
		" Camber09	
		" Thickness of deck ...	
		" Scantlings, etc. ...	
		34.07 10.50 + 23.57	
		Summer Freeboard =	84.58

FREEBOARD amidships from Centre of Disc to top of Deck Line. Wood, Steel,	Deck:—
Tropical Fresh Water Line (above center of Disc) 13 1/2"	Tropical Fresh Water Freeboard ...
Fresh Water Line " " 6 1/2"	Fresh Water " " ...
Tropical Line " " 6 1/2"	Tropical " " ...
Winter Line (below " ") 6 1/2"	Winter " " ...
Winter North Atlantic Line " " 10 1/2"	Winter North Atlantic " " ...