

Conversion Tanker to Bulk Carrier.

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, ~~SAILING SHIP,~~ ~~TANKER~~)

For LONDON OFFICE ONLY

Received
 Index No.
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 Owners CII

Ship's Name HOLLYWOOD	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length Breadth 69.5 Depth 40'-6.71"					Date of Survey
Freeboard Length 490.50					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) tons					Particulars of Classification
Coefficient of fineness for use with Tables .765					

<p>DEPTH FOR FREEBOARD (D).</p> <p>Moulded depth 40.56</p> <p>Stringer plate 82°07</p> <p>Wood Sheathing on exposed deck</p> <p>$T \left(\frac{L-S}{L} \right) =$</p> <p>Depth for Freeboard (D) = 40.63</p>	<p>DEPTH CORRECTION.</p> <p>(a) Where D is greater than Table depth (D-Table depth) R = +23.79</p> <p>(b) Where D is less than Table depth (if allowed) (Table depth-D) R =</p> <p>If restricted by superstructures</p>	<p>ROUND OF BEAM CORRECTION.</p> <p>Moulded Breadth (B)</p> <p>Standard Round of Beam = $\frac{B \times 12}{50} =$</p> <p>Ship's Round of Beam =</p> <p>Difference</p> <p>Restricted to</p> <p>Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) =$ - .18</p>
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	179.26	179.26			179.26

Standard Height of Superstructure	7.50
" " R.Q.D.	
Deduction for complete superstructure	42.00
Percentage covered $\frac{S}{L} =$	} 36.55
" " $\frac{S_1}{L} =$	
" " $\frac{E}{L} =$	
Percentage from Table, Line A.	20.57
(corrected for absence of fore-castle (if required))	
Percentage from Table, Line B.	
(corrected for absence of fore-castle (if required))	24.57
Interpolation for bridge less than .2L (if required)	20.57 + 4(1.61) = 27.11
Deduction = $42 \times .2218 =$	9.32 = 22.18

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
$\frac{1}{4}L$ from A.P.		4				4	
$\frac{2}{4}L$ "		2				2	
Amidships	0	4	0	0	0	4	0
$\frac{3}{4}L$ from F.P.		2				2	
$\frac{1}{4}L$ "		4				4	
F.P.		1				1	
Total			531.42				126.75

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{404.67}{18} (.75 - .1828) = +12.75$

If limited on account of midship superstructure. If limited to maximum allowance of 1 1/2 ins. per 100ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = 40.63 Ft</p> <p>Summer freeboard = 11.08</p> <p>Moulded draught (d) = 29.55</p> <p>Keel allowance =</p> <p>Extreme draught =</p> <p>Deduction for Tropical freeboard and addition for =</p> <p>Winter freeboard = $\frac{d}{4}$ inches =</p> <p>Addition for Winter North Atlantic Freeboard (if required) =</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line</p> <p>$\Delta =$</p> <p>Tons per inch immersion at summer load water line</p> <p>T =</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{.765 + .68}{1.36} = 1.445$</p> <table border="1"> <tr><td>+</td><td>-</td></tr> <tr><td>Depth Correction</td><td>23.79</td></tr> <tr><td>Deduction for superstructures</td><td>9.32</td></tr> <tr><td>Sheer correction</td><td>12.75</td></tr> <tr><td>Round of Beam correction</td><td>.18</td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td></td></tr> <tr><td>Other corrections, scantlings, etc.</td><td></td></tr> <tr><td>36.54</td><td>9.32</td></tr> <tr><td colspan="2">+ 27.22</td></tr> </table> <p>Summer Freeboard = 132.89</p>	+	-	Depth Correction	23.79	Deduction for superstructures	9.32	Sheer correction	12.75	Round of Beam correction	.18	Correction for Thickness of Deck amidships		Other corrections, scantlings, etc.		36.54	9.32	+ 27.22	
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	...	Tropical Fresh Water Freeboard	...
Fresh Water Line	"	Fresh Water	"
Tropical Line	"	Tropical	"
Winter Line below	"	Winter	"
Winter North Atlantic Line	"	Winter North Atlantic	"

