

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.

Govt. Copy

Owners C11

Ship's Name HOLLYWOOD	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 490.50 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					

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

" " $\frac{S_1}{L} =$ **36.55**

" " $\frac{E}{L} =$

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** **1.61**

Interpolation for bridge less than .2L (if required) **20.57 + 4 (39.43) = 98.10**

Deduction = **42 x .2218 = 9.32 = 22.18**

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...		1				1	
$\frac{1}{8}L$ from A.P. ...		4				4	
$\frac{2}{8}L$ " ...		2				2	
Amidships ...	0	4	0	0	0	4	0
$\frac{3}{8}L$ from F.P. ...		2				2	
$\frac{4}{8}L$ " ...		4				4	
F.P. ...		1				1	
Total			53.42				126.75

Mean actual sheer aft =
 Mean standard sheer aft =

Mean actual sheer forward =
 Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =
 L

" " aft of " =

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

If limited on account of midship superstructure.

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 40.63 Summer freeboard = 11.08 Moulded draught (d) = 29.55 Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for = Winter freeboard = $\frac{d}{4}$ inches = Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ Tons per inch immersion at summer load water line $T =$ Deduction = $\frac{\Delta}{40 T}$ inches =	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{.765 \times .68}{1.36} = 1.445$ <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> </table>	+	-	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	99.45 105.67 27.22 132.89
+	-																		
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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	"