

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

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

Received
 Index No.
 Govt. Copy
 Owners C11

Ship's Name Henning Maersk	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 496.98 Breadth 65'-9" Depth 35'-11" Freeboard Length 496.98 Moulded displacement at moulded draught = 85 per cent. of moulded depth 226.54 tons Coefficient of fineness for use with Tables .795					Date of Survey 31.12.59 Surveyor's Signature Particulars of Classification 1100A1 tanker curbing altered 1100A1

DEPTH FOR FREEBOARD (D). Moulded depth ... 35.92 Stringer plate ... 10 Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 36.12	DEPTH CORRECTION. (a) Where D is greater than Table depth $(D - \text{Table depth}) R =$ $(36.12 - 33.13) R = 2.99$ (b) Where D is less than Table depth (if allowed) $(\text{Table depth} - D) R =$ If restricted by superstructures	ROUND OF BEAM CORRECTION. Moulded Breadth (B) 65.75 Standard Round of Beam = $\frac{B \times 12}{50} =$ 15.78 Ship's Round of Beam = 15.75 Difference Restricted to Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) =$ Nil
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DEDUCTION FOR SUPERSTRUCTURES.					
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed 2 before	102.05				
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed Removed					
" overhang aft					
" overhang forward					
F'cle enclosed	38.41				
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	140.46	140.46			140.46

Standard Height of Superstructure 7.5 " " R.Q.D. ✓ Deduction for complete superstructure 4.2 Percentage covered $\frac{S}{L} =$ $\frac{S_1}{L} =$ $\frac{E}{L} =$ Percentage from Table, Line A. 14.13 (corrected for absence of forecastle (if required)) Percentage from Table, Line B. (corrected for absence of forecastle (if required)) Interpolation for bridge less than .2L (if required) Deduction = 42 x 14.13 = -5.934	28.26 14.13 None
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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	○	4	○	○	○	4	○
$\frac{3}{4}L$ from F.P.		2				2	
$\frac{1}{4}L$ "		4				4	
F.P.		1				1	
Total							

Mean actual sheer aft =
 Mean standard sheer aft =
 Mean actual sheer forward =
 Mean standard sheer forward =
 Length of enclosed superstructure forward of amidships = **None**
 " " aft of " = **None**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - S}{2L} \right) =$ **Neg**
 If limited on account of midship superstructure. **Yes no allowance** 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 = 36.02 Ft. Summer freeboard = 9.39 Moulded draught (d) = 26.63 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 1.475/1.36 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>+</th> <th>-</th> </tr> <tr> <td>Depth Correction</td> <td>8.67</td> <td></td> </tr> <tr> <td>Deduction for superstructures</td> <td>5.93</td> <td></td> </tr> <tr> <td>Sheer correction</td> <td></td> <td></td> </tr> <tr> <td>Round of Beam correction</td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck amidships</td> <td></td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc.</td> <td></td> <td></td> </tr> <tr> <td>Summer Freeboard</td> <td>112.71</td> <td></td> </tr> </table>		+	-	Depth Correction	8.67		Deduction for superstructures	5.93		Sheer correction			Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.			Summer Freeboard	112.71	
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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 ...
 Fresh Water Line " " ...
 Tropical Line " " ...
 Winter Line below " " ...
 Winter North Atlantic Line " " ...

Tropical Fresh Water Freeboard ...
 Fresh Water " " ...
 Tropical " " ...
 Winter " " ...
 Winter North Atlantic " " ...

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A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

Focslu 35.15
lungs 3.26 equr
38.41

Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £ : :

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)



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