

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>Monowai</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <i>499.2</i> Breadth _____ Depth <i>37.5</i>					Date of Survey <i>25-8-43</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature _____
Coefficient of fineness for use with Tables <i>.70 assumed</i>					Particulars of Classification <i>+100 H with 160</i>

<p>Depth for Freeboard (D).</p> <p>Moulded depth <i>37.50</i></p> <p>Ring plate <i>.05</i></p> <p>Leathing on exposed deck</p> <p>$T \left(\frac{L-S}{L} \right) =$</p> <p>Depth for Freeboard (D) = <i>37.55</i></p>	<p>Depth correction.</p> <p>(a) Where D is greater than Table depth (D - Table depth) R = $(37.55 - 33.28) 3 = + 12.81$</p> <p><i>4.27</i></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 = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L}\right) =$ <i>Nil</i></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					
Fore enclosed					
.. overhang					
Trunk aft					
.. forward					
Tonnage opening aft ...					
.. .. forward					
Total					

Standard Height of Superstructure _____

.. .. R.Q.D. _____

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L} =$ _____

.. .. $\frac{S_1}{L} =$ _____

.. .. $\frac{E}{L} =$ _____

Percentage from Table, Line A.
(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 = *Nil*

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
1/2 L from A.P.		4				4	
1/4 L		2				2	
Amidships		4				4	
1/4 L from F.P.		2				2	
1/2 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 = _____

.. .. aft of .. = _____

Nil

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

If limited on account of midship superstructure. _____

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = <i>37.55</i> Ft.</p> <p>Summer freeboard = <i>9.70</i></p> <p>Moulded draught (d) = <i>27.85</i></p> <p>Deduction for Tropical freeboard and addition for 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 = $\frac{\Delta}{40T}$ inches = _____</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{170 + .08}{1.30} = \frac{1.35}{1.30}$</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td></td><td>+</td><td>-</td></tr> <tr><td>Depth Correction</td><td><i>12.81</i></td><td>-</td></tr> <tr><td>Deduction for superstructures</td><td>-</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></td><td><i>12.81</i></td><td>-</td></tr> </table> <p>Summer Freeboard = <i>116.37</i></p>		+	-	Depth Correction	<i>12.81</i>	-	Deduction for superstructures	-	-	Sheer correction	-	-	Round of Beam correction	-	-	Correction for Thickness of Deck amidships	-	-	Other corrections, scantlings, etc.	-	-		<i>12.81</i>	-
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~ Steel, Deck: *9.70*

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

