

FS FD

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>

Depth for Freeboard (D). Moulded depth <i>37.50</i> Ringer plate <i>.05</i> Leathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = <i>37.55</i>	Depth correction. (a) Where D is greater than Table depth (D - Table depth) R = <i>(37.55 - 33.28) 3 = + 12.81</i> <i>4.27</i> (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 = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <i>Nil</i>
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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	
1/4 L from A.P.		4				4	
1/2 L "		2				2	
Amidships		4				4	
3/4 L from F.P.		2				2	
3/8 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 = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - \frac{S}{2L}}{2L} \right) =$ _____

If limited on account of midship superstructure. _____

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

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = <i>37.55</i> Summer freeboard = <i>9.70</i> Moulded draught (d) = <i>27.85</i> 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 = $\frac{\Delta}{40T}$ inches = _____	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{170 + .08}{1.30} = \frac{1.35}{1.30}$ <table border="1" style="width: 100%; border-collapse: collapse;"><tr><th></th><th>+</th><th>-</th></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 style="text-align: right;">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	"