

# Lloyd's Register of SHIPS SURVEYS FOR FREE

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having \_\_\_\_\_ Port of Survey \_\_\_\_\_

(Type of Superstructures.) \_\_\_\_\_ Date of Survey \_\_\_\_\_

Ship's Name <b>KOMAKI MARU</b>	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
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Name of Surveyor \_\_\_\_\_

Particulars of Classification \_\_\_\_\_

Moulded Dimensions: Length \_\_\_\_\_ Breadth \_\_\_\_\_ Depth \_\_\_\_\_

Moulded displacement at moulded draught = 85 per cent. of moulded depth \_\_\_\_\_ tons

\_\_\_\_\_ cent of fineness for use with Tables

<b>Depth for Freeboard (D)</b> Depth ... .. Proposed deck = _____ Depth for Freeboard (D) = _____	<b>Depth correction</b> (a) Where D is greater than Table depth (D - Table depth) R = _____ (b) Where D is less than Table depth (if allowed) (Table depth - D) R = _____ If restricted by superstructures	<b>Round of Beam correction</b> Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50}$ = _____ Ship's Round of Beam = _____ Difference Restricted to Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ = _____
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**DEDUCTION FOR SUPERSTRUCTURES.**

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Deck					
Forecastle					
Bridge					
Superstructure					
Funnel					
Smokestack					
Other					

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 = \_\_\_\_\_

**SHEER CORRECTION.**

Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
1	1				1	
4	4				4	
2	2				2	
4	4				4	
2	2				2	
4	4				4	
1	1				1	

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 " = \_\_\_\_\_

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

on account of midship superstructure.

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

<b>Tropical Freeboard.</b> Winter and Winter North Freeboard. Freeboard Deck = _____ Ft. Freeboard = _____ Moulded draught (d) = _____ Tropical freeboard and addition for Freeboard = $\frac{d}{4}$ inches = _____ Addition for Winter North Atlantic Freeboard (if required) = _____	<b>Deduction for Fresh Water.</b> 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 = _____	<b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required) Correction for coefficient <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th style="width: 50px;">+</th> <th style="width: 50px;">-</th> </tr> <tr> <td>Depth Correction</td> <td></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> </table> <p style="text-align: right;">Summer Freeboard = _____</p>		+	-	Depth Correction			Deduction for superstructures			Sheer correction			Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.		
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amidships from Centre of Disc to	top of Deck Line, Wood, Steel, Deck
Line above Centre of Disc	Tropical Fresh Water Freeboard
" " "	Fresh Water
" " "	Tropical
below	Winter
" " "	Winter North Atlantic