

As Full Scantling Flush Deck, Standard Sheer & Camber  
For Scantlings only

# Lloyd's Register of Shipping.

Index No. \_\_\_\_\_  
(For London Office only).

## SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <b>VIKING</b>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build <b>1905</b>	Port of Survey
Moulded Dimensions: Length <b>350'</b> Breadth <b>41.83</b> Depth <b>25.25 to shell bk.</b>					Date of Survey <b>18.1.44</b>
Displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature
Degree of fineness for use with Tables <b>.68 (.624 actual)</b>					Particulars of Classification

<b>Depth for Freeboard (D).</b> depth ... .. <b>25.25</b> plate ... .. <b>.04</b> on exposed deck $\frac{L-S}{L} =$ <b>✓</b> Depth for Freeboard (D) = <b>25.29</b>	<b>Depth correction.</b> (a) Where D is greater than Table depth $(D - \text{Table depth}) R =$ $(25.29 - 23.33) 2.692 = +5.28$ (b) Where D is less than Table depth (if allowed) $(\text{Table depth} - D) R =$ If restricted by superstructures	<b>Round of Beam correction.</b> Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$ <b>Assumed</b> Ship's Round of Beam = <b>Standard</b> Difference Restricted to Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L}\right) =$ <b>NIL</b>
--	---	---

### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
closed ... ..					
erhang ... ..					
nclosed ... ..					
verhang ... ..					
nclosed... ..					
erhang aft ... ..					
erhang forward					
osed ... ..					
hang ... ..					
... ..					
ward ... ..					
pening aft ... ..					
" forward					
al ... ..					

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.

Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
...	1				1	
...	4				4	
...	2				2	
...	4				4	
...	2				2	
...	4				4	
...	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  $\left( \frac{75-S}{2L} \right) =$  **NIL**  
 on account of midship superstructure.

If limited to maximum allowance of 1½ ins. per 100 ft.

<b>Tropical Freeboard.</b> Winter and Winter North Freeboard. Freeboard Deck = <b>25.29</b> Freeboard = <b>5.15</b> Moulded draught (d) = <b>20.14</b> Tropical freeboard and addition for $\frac{d}{4}$ inches = Winter North Atlantic Freeboard (if	<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 <b>✓</b> <table border="1"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr><td>Depth Correction ... ..</td><td><b>5.28</b></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><b>5.28</b></td><td></td><td><b>+ 5.28</b></td></tr> </tbody> </table> Summer Freeboard = <b>61.78</b>		+	-	Depth Correction ... ..	<b>5.28</b>		Deduction for superstructures ... ..			Sheer correction ... ..			Round of Beam correction ... ..			Correction for Thickness of Deck amidships ... ..			Other corrections, scantlings, etc. ... ..			<b>5.28</b>		<b>+ 5.28</b>
	+	-																								
Depth Correction ... ..	<b>5.28</b>																									
Deduction for superstructures ... ..																										
Sheer correction ... ..																										
Round of Beam correction ... ..																										
Correction for Thickness of Deck amidships ... ..																										
Other corrections, scantlings, etc. ... ..																										
<b>5.28</b>		<b>+ 5.28</b>																								

### MMER 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 " " ... ..

© 2020

Lloyd's Register Foundation

002138-002150-0093