

D 65 Upper Deck L.M. Hancock 7.60 PM

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <i>363.9</i> Breadth <i>44.62</i> Depth <i>28.71-8</i>					Date of Survey <i>30.7.42.</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature _____
Coefficient of fineness for use with Tables <i>.68</i>					Particulars of Classification _____

DEPTH FOR FREEBOARD (D). Moulded depth <i>20.71</i> Stringer plate <i>03</i> Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____ Depth for Freeboard (D) = <i>20.74</i>	DEPTH CORRECTION. (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 = <i>(24.26-20.74) x 2.799 = 3.42</i> If restricted by superstructures = <i>-9.85</i>	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 = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____
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DEDUCTION FOR SUPERSTRUCTURES.						
Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	Standard Height of Superstructure	
Poop enclosed					<i>7.14</i>	
„ overhang						
R.Q.D. enclosed						
„ overhang						
Bridge enclosed						
„ overhang aft						
„ overhang forward						
F'cle enclosed						
„ overhang						
Trunk aft						
„ forward						
Tonnage opening aft						
„ „ forward						
Total						<i>39.59</i>

Deduction = *39.59*

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	
$\frac{2}{4}L$ from F.P.		2				2	
$\frac{1}{4}L$ „		4				4	
F.P.		1				1	
Total							

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = -86$

If limited on account of midship superstructure.

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

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = <i>20.74</i> Summer freeboard = <i>86</i> Moulded draught (d) = <i>19.88</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 = $\frac{\Delta}{40 T}$ inches = _____	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient _____ <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th></th> <th>+</th> <th>-</th> </tr> <tr> <td>Depth Correction</td> <td></td> <td><i>9.85</i></td> </tr> <tr> <td>Deduction for superstructures</td> <td></td> <td><i>39.59</i></td> </tr> <tr> <td>Sheer correction</td> <td></td> <td><i>86</i></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>50.30</i></td> <td><i>50.30</i></td> </tr> </table> Summer Freeboard = <i>10.27</i>		+	-	Depth Correction		<i>9.85</i>	Deduction for superstructures		<i>39.59</i>	Sheer correction		<i>86</i>	Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.				<i>50.30</i>	<i>50.30</i>
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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	Tropical Fresh Water Freeboard
Fresh Water Line	„	„	Fresh Water
Tropical Line	„	„	Tropical
Winter Line below	„	„	Winter
Winter North Atlantic Line	„	„	Winter North Atlantic

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.

20-01
19.88
13 say 12^{1/2}

Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £



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Foundation