

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No. _____
(For London Office only).

Ship's Name ROVUMA	Official Number 149901	Nationality and Port of Registry British Honduras	Gross Tonnage	Date of Build 1927	Port of Survey
Moulded Dimensions: Length 211 Breadth 35 Depth 21					Date of Survey 9.7.42
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature _____
Coefficient of fineness for use with Tables _____					Particulars of Classification 100th with freeboard

Depth for Freeboard (D). Moulded depth 21.00 Stringer plate03 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____ Depth for Freeboard (D) = _____	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 = _____ 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 = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S _i)	Height	Height Correction	Effective Length (E)	
Poop enclosed						
.. overhang						
R.Q.D. enclosed						
.. overhang						
Bridge enclosed						
.. overhang aft						
.. overhang forward						
F'cle enclosed						
.. overhang						
Trunk aft						
.. forward						
Tonnage opening aft						
.. .. forward						
Total						

Standard Height of Superstructure _____

.. .. R.Q.D. _____

Deduction for complete superstructure _____

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

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

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

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.

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									

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 .. = _____

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.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 21.24 Summer freeboard = 7.89 Moulded draught (d) = 13.35 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 3.34 = 3 1/4 Addition for Winter North Atlantic Freeboard (if required) = 5/16	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 = 3/16	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient _____ <table border="1" style="width: 100%; margin-top: 10px;"> <tr><td style="width: 50%;"></td><td style="width: 50%; text-align: center;">+</td><td style="width: 50%;"></td><td style="width: 50%;"></td></tr> <tr><td>Depth Correction</td><td></td><td></td><td></td></tr> <tr><td>Deduction for superstructures</td><td></td><td></td><td></td></tr> <tr><td>Sheer correction</td><td></td><td></td><td></td></tr> <tr><td>Round of Beam correction</td><td></td><td></td><td></td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td></td><td></td><td></td></tr> <tr><td>Other corrections, scantlings, etc.</td><td></td><td></td><td></td></tr> <tr><td>Summer Freeboard =</td><td></td><td></td><td></td></tr> </table>		+			Depth Correction				Deduction for superstructures				Sheer correction				Round of Beam correction				Correction for Thickness of Deck amidships				Other corrections, scantlings, etc.				Summer Freeboard =			
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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 ...	3 1/4 6/16	Tropical Fresh Water Freeboard ...	7' - 10 3/4 020
Fresh Water Line	3 1/4	Fresh Water	7' - 4 1/2 7 1/2
Tropical Line	N.A. 3 1/4	Tropical	7' - 7 1/2
Winter Line below	3 1/4	Winter	7' - 7 1/2 10 3/4 (limited)
Winter North Atlantic Line	5/16	Winter North Atlantic	8' - 2
			8' - 4