

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name NORVEST	Official Number ✓	Nationality and Port of Registry <i>British Singapore</i>	Gross Tonnage 144.38	Date of Build 1946	Port of Survey <i>Rotterdam</i>
Moulded Dimensions: Length <i>28.5m</i> Breadth <i>6.10m</i> Depth <i>2.90m</i>					Date of Survey <i>21st February 1947</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth <i>could not be obtained</i> tons					Surveyor's Signature <i>M. Wickoed</i>
Coefficient of fineness for use with Tables <i>could not be obtained</i>					Particulars of Classification <i>1A1-N-Carrying oil in bulk (See Norske Veritas)</i>

DEPTH FOR FREEBOARD (D). Moulded depth <i>2.90m</i> Stringer plate <i>approximate</i> ... <i>0.01m</i> <i>see midship section London Office</i> Sheathing on exposed deck <i>Office</i> $T \left(\frac{L-S}{L} \right) =$ 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 = <i>0.13m</i> Difference _____ Restricted to _____ Correction = $\frac{\text{Diff}^c}{4} \times \left(1 - \frac{S_1}{L} \right) =$ _____
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang					
R.Q.D. enclosed	<i>7.90m</i>		<i>0.735m</i>		
„ overhang					
Bridge enclosed					
„ overhang aft					
„ overhang forward					
F'cle enclosed <i>(trunk)</i>	<i>4.03m</i>		<i>0.685m</i>		
„ 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 = _____

sheers as per your cable from ✓

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1		<i>0.495m</i>		1	
$\frac{1}{4}L$ from A.P.		4		<i>nil</i>		4	
$\frac{2}{8}L$ „		2		<i>„</i>		2	
Amidships		4		<i>„</i>		4	
$\frac{2}{8}L$ from F.P.		2		<i>„</i>		2	
$\frac{1}{4}L$ „		4		<i>„</i>		4	
F.P.		1		<i>0.305m</i>		1	
Total							

Mean actual sheer aft _____
 Mean standard sheer aft = _____
 Mean actual sheer forward _____
 Mean standard sheer forward = _____
 Length of enclosed superstructure forward of _____
 „ „ aft of „ = _____

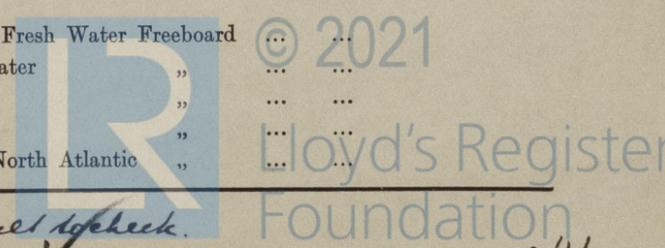
Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ _____
 If limited on account of midship superstructure.

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 = _____ Ft. Summer freeboard = _____ Moulded draught (d) = _____ 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"> <tr> <td></td> <td>+</td> <td>-</td> </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> <tr> <td colspan="3">Summer Freeboard = _____</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	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.

Trade of ship Coasting trade (as per class)

Names of sister ships ✓

Builder's name and yard number built at Fredrikstad by Messrs. Leustevens Verkested

Owners Shell Company of Straits Settlements, Singapore

Fee £ 120.-

exp. 3.-

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Foundation