

TIMBER

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No. _____
(For London Office only.)

Ship's Name SPIDOLA	Official Number 119973	Nationality and Port of Registry BRITISH London.	Gross Tonnage 2937	Date of Build 1905	Port of Survey _____
Moulded Dimensions: Length 331 Breadth 47'-6" Depth 22'-6"					Date of Survey MAY 1947
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature _____
Coefficient of fineness for use with Tables 744 (Assumed)					Particulars of Classification _____

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 22.50	(a) Where D is greater than Table depth (D-Table depth) R = +1.17	Moulded Breadth (B) _____
Stringer plate03	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = _____	Standard Round of Beam = $\frac{B \times 12}{50} =$ _____
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____	If restricted by superstructures _____	Ship's Round of Beam = _____
Depth for Freeboard (D) = 22.53		Difference _____
		Restricted to _____
		Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ - .05

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					
" 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 **37.40**

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

" " $\frac{S_1}{L} =$ _____

" " $\frac{E}{L} =$ **69.79**

Percentage from Table, Line **A Timber** = **81.37** ✓
(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 = **37.40 × 81.37 = 30.43** ✓

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
$\frac{1}{8}L$ from A.P.		4					4		
$\frac{2}{8}L$ "		2					2		
Amidships		4					4		
$\frac{2}{8}L$ from F.P.		2					2		
$\frac{1}{8}L$ "		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 = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ **+ .19** ✓

If limited on account of midship superstructure.

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 22.53 Ft. Summer freeboard = 2.12 Moulded draught (d) = 20.41 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 5.10.5 ✓ Addition for Winter North Atlantic Freeboard (if required) = $\frac{d}{3} = 6.80 = 6\frac{3}{4}$ ✓	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 = 5"	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient $\frac{744 + .68}{1.36} = \frac{1.424}{1.36}$ <table border="1"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr><td>Depth Correction</td><td>1.17</td><td>-</td></tr> <tr><td>Deduction for superstructures</td><td>-</td><td>30.43</td></tr> <tr><td>Sheer correction</td><td>.19</td><td>-</td></tr> <tr><td>Round of Beam correction</td><td>-</td><td>.05</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>1.36</td><td>30.48</td><td>- 29.12</td></tr> </tbody> </table> Summer Freeboard = 24.56 ✓		+	-	Depth Correction	1.17	-	Deduction for superstructures	-	30.43	Sheer correction19	-	Round of Beam correction	-	.05	Correction for Thickness of Deck amidships	-	-	Other corrections, scantlings, etc.	-	-	1.36	30.48	- 29.12	51.27 ✓ 53.68 ✓ 17.5.17
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TIMBER SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

PREVIOUSLY	TIMBER	Tropical Fresh Water Line above Centre of Disc	... 16" ✓	Tropical Fresh Water Freeboard	... 2'-1 1/2" ✓
IGNED	"	Fresh Water Line	... 11" ✓	Fresh Water	... 1'-3 1/2" ✓
	"	Tropical Line	... 11" ✓	Tropical	... 1'-8 1/2" ✓
	"	Winter Line	below	Winter	... 2'-8 1/2" ✓
G.L.	"	Winter North Atlantic Line	... 6" ✓	Winter North Atlantic	... 3'-1 1/2" ✓
	"	SUMMER ABOVE	... 6" ✓		

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