

TIMBER
AMENDED

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received
Index No.
Govt. Copy
Owners C11

Ship's Name ANASTASIA EX JACQUES MARIE	Official Number	Nationality and Port of Registry GREEK HELAS	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 65.530 Breadth 10.363 Depth 4.890					Date of Survey 2.8.56.
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) _____ tons					Surveyor's Signature
Coefficient of fineness for use with Tables 85 assumed.					Particulars of Classification 100 A1.

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 4890	(a) Where D is greater than Table depth (D-Table depth) R = +74	Moulded Breadth (B) 10.363
Stringer plate 16	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50} =$ 207
Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Ship's Round of Beam = 210
Depth for Freeboard (D) = 4906		Difference = 3
		Restricted to
		Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) =$ NIL.

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					
Fore enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	46714	46599			46599

Standard Height of Superstructure **1830** - 1/2
" " R.Q.D. **1148** - 1/2
Deduction for complete superstructure **699** - 1/2
Percentage covered $\frac{S}{L} =$ **71.29**
" " $\frac{S_1}{L} =$ } **71.11**
" " $\frac{E}{L} =$
Percentage from Table, Line A. Table **82.17**
(corrected for absence of fore-castle (if required))
Percentage from Table, Line B.
(corrected for absence of fore-castle (if required))
Interpolation for bridge less than .2L (if required)
Deduction = **699 x .8217 = 574**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
1/4 L from A.P.		4					4		
2/4 L "		2					2		
Amidships	0	4	0	0	0	0	4	0	0
2/4 L from F.P.		2					2		
1/4 L "		4					4		
F.P.		1					1		
Total									

Mean actual sheer aft = **EXCESS**
Mean standard sheer aft =
Mean actual sheer forward = **EXCESS**
Mean standard sheer forward =
Length of enclosed superstructure forward of amidships = **0.0839L**
" " aft of " = **5.1L**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ **-64**
If limited on account of midship superstructure. **YES. -59.** If limited to maximum allowance of 1 1/2 ins. per 100ft.

<p>Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = 4906 Summer freeboard = 176 Moulded draught (d) = 4730 Keel allowance = Extreme draught = Deduction for Tropical Freeboard and addition for = Winter freeboard = $\frac{d}{40}$ inches = 99 Addition for Winter North Atlantic Freeboard (if required) = 36 = 131</p>	<p>Deduction for Fresh Water.</p> <p>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 = 100.</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{1.53}{1.86}$</p> <table border="1"> <tr><td>+</td><td>-</td></tr> <tr><td>74</td><td>-</td></tr> <tr><td>-</td><td>574</td></tr> <tr><td></td><td>59</td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> <tr><td>74</td><td>633</td></tr> <tr><td></td><td>-559</td></tr> <tr><td></td><td>Summer Freeboard = 176</td></tr> </table>	+	-	74	-	-	574		59									74	633		-559		Summer Freeboard = 176
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TIMBER. SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	323 - 1/2	TIMBER	Tropical Fresh Water Freeboard	23
Fresh Water Line	224 - 1/2	"	Fresh Water	76
Tropical Line	223 - 1/2	"	Tropical	77
Winter Line below	7 - 1/2	"	Winter	907
Winter North Atlantic Line	147 - 1/2	"	Winter North Atlantic	447
Summer above.	124 - 1/2			