

Lloyd's Register of Shipping.

Index. No. **37473**
(For London Office only).

Modification on account

of strengthening for

9-1/4" more draught

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER.)

10 JUL 1950

Ship's Name "CARDAMALITIS" EX "ARGOVAN"	Official Number 174812	Nationality and Port of Registry BRITISH MONTREAL <i>Greek</i>	Gross Tonnage 7163	Date of Build 1943	Port at Survey MONTREAL, P.Q.
Moulded Dimensions: Length _____ Breadth _____ Depth _____					Date at Survey 31st. May, 1950.
Moulded displacement at moulded draught = 85 per cent. of moulded depth: _____ tons					Surveyor's Signature <i>Hugh L. Walker</i>
Coefficient of fineness for use with Tables _____					Particulars of Classification 100 A1 with freeboard

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth	(a) Where D is greater than Table depth (D—Table depth) R=	Moulded Breadth (B)
Stringer plate	(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) =		Difference
		Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right)$ =

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poep 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 $\frac{S}{L}$ = _____

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

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

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 = _____

SHEER CORRECTION.

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

If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = 37.39</p> <p>Summer freeboard = 9.79</p> <p>Moulded draught (d) = 27.60</p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = $\frac{27.6}{4} = 6.9$</p> <p>Addition for Winter North Atlantic Freeboard (if required) = Not required.</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line $\Delta = 14207$</p> <p>Tons per inch immersion at summer load water line $T = 48.4$</p> <p>Deduction = $\frac{\Delta}{40T}$ inches = $\frac{14207}{40 \times 48.4} = 7.33$</p> <p>= 7-1/4"</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient. $\frac{.771 + .68}{1.36} = \frac{1.451}{1.36}$</p> <table border="1"> <tr><td></td><td>+</td><td>-</td></tr> <tr><td>Depth Correction</td><td>28.71</td><td>-</td></tr> <tr><td>Deduction for superstructures</td><td>-</td><td>-</td></tr> <tr><td>Sheer correction</td><td>-</td><td>.45</td></tr> <tr><td>Round of Beam correction</td><td>-</td><td>.09</td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td>-</td><td>-</td></tr> <tr><td>Other corrections, scantlings, etc.</td><td>.53</td><td>-</td></tr> <tr><td colspan="2">29.24 .54 + 28.70</td><td></td></tr> <tr><td colspan="2">Summer Freeboard = 117.48</td><td></td></tr> </table>		+	-	Depth Correction	28.71	-	Deduction for superstructures	-	-	Sheer correction	-	.45	Round of Beam correction	-	.09	Correction for Thickness of Deck amidships	-	-	Other corrections, scantlings, etc.53	-	29.24 .54 + 28.70			Summer Freeboard = 117.48		
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~W 800~~ Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc	14-1/4"	Tropical Fresh Water Freeboard	8'-9-1/2"
Fresh Water Line " "	7-1/4"	Fresh Water " "	9'-2-1/4"
Tropical Line " "	7"	Tropical " "	9'-2-1/2"
Winter Line below " "	7"	Winter " "	10'-4-1/2"
Winter North Atlantic Line " "	not assigned	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

Names of sister ships

Builder's name and yard number

Owners

Fee £

035

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