

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

20 MAY 1948
F.B.199

Ship's Name "THEMONI"	Official Number 246866	Nationality and Port of Registry Greek - Syra	Gross Tonnage 7198	Date of Build 1944	Port of Survey BARROW.
Moulded Dimensions: Length 417.73' Breadth 56.90' Depth 37.33' To centre of Rudder Stock					Date of Survey 5th, 6th, 7th & 8th May 1948.
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature <i>[Signature]</i>
Coefficient of fineness for use with Tables .768					Particulars of Classification 100A1 Class contemplated.

DEPTH FOR FREEBOARD (D). Moulded depth 37.33 Stringer plate06 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 37.39	DEPTH CORRECTION. (a) Where D is greater than Table depth $(D - \text{Table depth}) R =$ $(37.39 - 27.85) = +28.62$ (b) Where D is less than Table depth (if allowed) $(\text{Table depth} - D) R =$ If restricted by superstructures	ROUND OF BEAM CORRECTION. Moulded Breadth (B) 56.90' Standard Round of Beam = $\frac{B \times 12}{50} =$ 13.65 Ship's Round of Beam Equivalt = 14.10" Difference 14" - 13.65" = .35" Restricted to 14" Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$.45 = -.11"
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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					
" 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 = *Nil.*

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	57.77	1		57.77	54.12	54.12	1		54.12
$\frac{1}{4}$ L from A.P.	23.04	4		92.16	24.00	24.00	4		96.00
$\frac{2}{4}$ L "	5.64	2		11.28	5.00	5.00	2		10.00
Amidships	-	4		-	-	-	4		-
$\frac{3}{4}$ L from F.P.	11.39	2		22.78	11.75	11.75	2		23.50
$\frac{4}{4}$ L "	46.08	4		184.32	47.75	47.75	4		191.00
F.P.	103.55	1		103.55	105.37	105.37	1		105.37
Total				465.96					479.99

Mean actual sheer aft = *> 1*

Mean standard sheer aft = *> 1*

Mean actual sheer forward = *> 1*

Mean standard sheer forward = *> 1*

Length of enclosed superstructure forward of amidships = *Flush*

" " aft of " = *did.*

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ $\frac{14.03}{18} \times .25 = -.58$

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 = 37.39 Summer freeboard = 9.73 Moulded draught (d) = 27.66 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.92 = 7" Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ 14246 Tons per inch immersion at summer load water line $T =$ 48.71 Deduction = $\frac{\Delta}{40 T}$ inches = 7½"	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient Depth Correction 28.62 Deduction for superstructures - Sheer correction58 Round of Beam correction10 Correction for Thickness of Deck amidships - Other corrections, scantlings, etc. - 28.62 .68 +27.94 Summer Freeboard = 116.69
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

As previously assigned by the American Bureau.

Tropical Fresh Water Line above Centre of Disc	1'-2'4" = 36.24"
Fresh Water Line " "	7'4" = 88"
Tropical Line " "	7' = 84"
Winter Line below " "	7' = 84"
Winter North Atlantic Line " "	7' = 84"

Tropical Fresh Water Freeboard	9'-83/4" = 296.56"
Fresh Water " "	8'-61/2" = 260.32"
Tropical " "	9'-1 1/2" = 278.12"
Winter " "	9'-1 3/4" = 278.75"
Winter North Atlantic " "	10'-33/4" = 314.37"

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 SOUTH EASTERN SHIPBUILDING CORPN:

Owners KASSOS STEAM NAVIGATION CO., LTD.

Fee £ 32. 0. 0.

Late Fee..£3. 3. 0.



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Foundation