

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

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

GRN REPORT No 23368

Ship's Name KOMNINOS (EX YACHT JEANNETTE)	Official Number 1710	Nationality and Port of Registry PANAMANIAN. PANAMA	Gross Tonnage 931.10	Date of Build 1911	Port of Survey PORT GLASGOW
Moulded Dimensions: Length 223.75' Breadth 31.00' Depth 18.75'					Date of Survey AUGUST. 1946
Moulded displacement at moulded draught = 85 per cent. of moulded depth 1885 tons					Surveyor's Signature <i>Whaemillan</i>
Coefficient of fineness for use with Tables .68 (.597 actual)					Particulars of Classification 100 A1 WITH FREEBOARD CORRESPONDING TO A SUMMER MLD DRAUGHT OF 15 FT. FOR SERVICE IN THE MEDITERRANEAN. (CONTEMPLATED).

Depth for Freeboard (D). Moulded depth ... 18.75' Stringer plate40" Sheathing on exposed deck = 3" $T \left(\frac{L-S}{L} \right) = \frac{3}{12} \left(\frac{223.75-159.75}{223.75} \right)$ Depth for Freeboard (D) = 18.85'	Depth correction. (a) Where D is greater than Table depth (D-Table depth) R = $(18.85-14.91) 1.721 = +6.78"$ 3.94 (b) Where D is less than Table depth (if allowed) (Table depth-D) R = .07 If restricted by superstructures <input checked="" type="checkbox"/>	Round of Beam correction. Moulded Breadth (B) 31.00' Standard Round of Beam = $\frac{B \times 12}{50} = 7.44"$ Ship's Round of Beam = 8.00" Difference + .54" Restricted to $\frac{Diff}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.54}{4} \times .2861 = -.04"$
---	--	--

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 ...	6.60	6.60	3.43	2.43	5.92
" overhang ...	-	-	-	-	-
Bridge enclosed ...	116.00	116.00	7.43	✓	116.00
" overhang aft ...	-	-	-	-	-
" overhang forward ...	-	-	-	-	-
F'cle enclosed ...	37.15	37.15	7.18	✓	37.15
" overhang ...	-	-	-	-	-
Trunk aft ...	-	-	-	-	-
" forward ...	-	-	-	-	-
Tonnage opening aft ...	-	-	-	-	-
" forward ...	-	-	-	-	-
Total ...	159.75	159.75			159.07

Standard Height of Superstructure	6.00'
" " R.Q.D.	3.825'
Deduction for complete superstructure	28.37"
Percentage covered $\frac{S}{L} =$	71.39
" $\frac{S_1}{L} =$	71.09
Percentage from Table, Line A. (corrected for absence of forecastle (if required))	64.34%
Percentage from Table, Line B. (corrected for absence of forecastle (if required))	64.34%
Interpolation for bridge less than 2L (if required)	✓
Deduction = $28.37 \times .6434 =$	-18.25"

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	32.375	1	32.38	20 1/2"	20.50	1	20.50
1/2 L from A.P. ...	14.41	4	57.64	4 1/2"	4.50	4	18.00
3/4 L " ...	3.56	2	7.02	- 1 1/4"	- 1.25	2	- 2.50
Amidships ...	-	4	-	-	-	4	-
3/4 L from F.P. ...	7.12	2	14.24	7 1/4"	7.25	2	14.50
1/2 L " ...	28.82	4	115.28	19 3/8"	19.375	4	77.50
F.P. ...	64.75	1	64.75	41 1/4"	41.25	1	41.25
Total ...	-	-	291.31	-	-	-	169.25

Mean actual sheer aft =
Mean standard sheer aft =

Mean actual sheer forward =
Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =
L

" " aft of " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75-S}{2L} \right) = \frac{122.06}{18} \times \frac{(.75-.356)}{.3931} = +2.67"$
If limited on account of midship superstructure. ☒ If limited to maximum allowance of 1 1/2 ins. per 100 ft. ☒

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **19.03**
Summer freeboard = **4.02**
Moulded draught (d) = **15.01**

Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = **3.75 = 3 3/4"**

Addition for Winter North Atlantic Freeboard (if required) = **not assigned**

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta = 1750$ TONS.

Tons per inch immersion at summer load water line

$T = 12.32$

Deduction = $\frac{\Delta}{40 T}$ inches = **3.55"**

= **3 1/2"**

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient **nil**

	+	-
Depth Correction ...	6.78	-
Deduction for superstructures ...	-	18.25
Sheer correction ...	2.67	-
Round of Beam correction ...	-	.04
Correction for Thickness of Deck amidships ...	2.16	-
Other corrections, scantlings, etc. corresponding to a summer moulded draught of 15'-0" (15'-0 1/8" actual).	27.62	-
	39.23	18.29
Summer Freeboard =	48.25	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, **3"** Wood, Steel, Deck: **4'-0 1/4"**

Tropical Fresh Water Line above Centre of Disc ...	3 1/2"
Fresh Water Line " " ...	3 1/2"
Tropical Line " " ...	3 3/4"
Winter Line below " " ...	3 3/4"
Winter North Atlantic Line " " ...	3 3/4"

Tropical Fresh Water Freeboard ...	3'-8 3/4"
Fresh Water " " ...	3'-8 3/4"
Tropical " " ...	4'-4"
Winter " " ...	4'-4"
Winter North Atlantic " " ...	4'-4"

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 **PASSENGER & CARGO SERVICE IN MEDITERRANEAN.**

Names of sister ships ☒

Builder's name and yard number ☒

Owner **DIMITRI KAPOTAS.**

Fee £ **WILL BE CHARGED LATER.**



© 2020

Lloyd's Register
Foundation