

DEEPER LOADING.
AMENDED

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

For LONDON OFFICE ONLY

Received

Index No.

Govt. Copy

Owners C11

Ship's Name CLARISSE CLARISSE	Official Number	Nationality and Port of Registry PANAMA PANAMA	Gross Tonnage 4048	Date of Build 1922	Port of Survey
Moulded Dimensions: Length 330.5' Breadth 47.75' Depth 33.65' ✓					Date of Survey 9-3-56
Freeboard Length					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing)					Particulars of Classification + 100 A1 Shelter Deck with freeboard.
Coefficient of fineness for use with Tables .810 Estimator					

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	33.65	(a) Where D is greater than Table depth (D-Table depth) R = (33.71 - 22.03) 2.542 = + 29.69		Moulded Breadth (B)	47.75
Stringer plate	.04	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = 11.68		Standard Round of Beam = $\frac{B \times 12}{50}$	11.46
Wood Sheathing on exposed deck				Ship's Round of Beam	11.25
$T \left(\frac{L-S}{L} \right) = \frac{26}{330.5} \times .21$.02			Difference	-.21
Depth for Freeboard (D) =	33.71	If restricted by superstructures		Restricted to	
				Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right)$	$\frac{.21}{4} \times 1.00 = +.05$

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

Standard Height of Superstructure **6.805**

" " R.Q.D.

Deduction for complete superstructure **37.37**

Percentage covered $\frac{S}{L} =$ } **Flush Deck**

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

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

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.	43.05	1		43.05	62.75	62.75	1		62.75
1/2 L from A.P.	19.16	4		76.64	11.00	11.00	4		44.00
1/2 L "	4.74	2		9.48	0	0	2		0
Amidships	0	4		0	0	0	4		0
1/2 L from F.P.	9.48	2		18.96	0	0	2		0
1/2 L "	38.32	4		153.28	21.50	21.50	4		85.00
F.P.	86.10	1		86.10	96.75	96.75	1		96.75
Total				387.51					288.50

Mean actual sheer aft = **Deficient**

Mean standard sheer aft =

Mean actual sheer forward = **Deficient**

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =

" " aft of " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - S}{2L} \right) = \frac{99.01}{18} \times .75 = + 4.12$

If limited on account of midship superstructure.

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

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta = 8947$

Tons per inch immersion at summer load water line

$T = 32.74$

Deduction = $\frac{\Delta}{40 T}$ inches

= **6.83"**

= **174 mm.**

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient	51.13 + 4.96	56.09
	.810 + .68	61.45
	1.36	
Depth Correction	29.69	
Deduction for superstructures	4.12	
Sheer correction	.05	
Round of Beam correction	.24	
Correction for Thickness of Deck amidships	12.57	
Other corrections, scantlings, etc. correspond to a summer moulded draught of 24.72 ft.	46.43	
Summer Freeboard =	107.64	

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	331 mm
Fresh Water Line	174 mm
Tropical Line	157 mm
Winter Line below	157 mm
Winter North Atlantic Line	✓

Tropical Fresh Water Freeboard	2734 mm
Fresh Water	2403 mm
Tropical	2560 mm
Winter	2577 mm
Winter North Atlantic	2891 mm

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.

$$\begin{array}{r}
 CB = .787 \\
 JCB = .026 \\
 \hline
 .813
 \end{array}$$

$$\begin{array}{r}
 CB = .85 \times \frac{6.43}{4.41} \times .12 \\
 \hline
 .286
 \end{array}$$

$$\begin{array}{r}
 26.08 \\
 33.65 \\
 \hline
 59.73
 \end{array}$$

Trade of ship _____

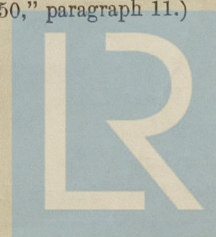
Names of sister ships _____

Builder's name and yard number _____

Owners _____

Fee £ _____

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)



© 2021

Lloyd's Register
Foundation