

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index. No. _____
(For London Office only).

Ship's Name JULIA CRESCENT PARK	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 310.44 Breadth 46.33 Depth 25.16					Date of Survey
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature
Coefficient of fineness for use with Tables _____					Particulars of Classification

Depth for Freeboard (D). Moulded depth Stringer plate Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) =	Depth correction. (a) Where D is greater than Table depth (D-Table depth) R = +10.72 (b) Where D is less than Table depth (if allowed) (Table depth-D) R = If restricted by superstructures	Round of Beam correction. Moulded Breadth (B) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = Difference Restricted to Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) = +.02$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	31.21		7.75		
.. overhang	2.00				
R.Q.D. enclosed					
.. overhang					
Bridge enclosed	76.00		9.0		
.. overhang aft	4.00				
.. overhang forward	2.00				
Fore enclosed	31.23		7.0		
.. overhang					
Trunk aft					
.. forward					
Tonnage opening aft					
.. forward					
Total					

Standard Height of Superstructure **6.604**
" " R.Q.D. _____
Deduction for complete superstructure **36.03**
Percentage covered $\frac{S}{L} =$
" " $\frac{S_1}{L} =$
" " $\frac{E}{L} =$ **46.20**
Percentage from Table, Line A.
(corrected for absence of forecastle (if required))
Percentage from Table, Line B. **Timber 66.87**
(corrected for absence of forecastle (if required))
Interpolation for bridge less than 2L (if required)
Deduction = **36.03 x .6687 = -24.09**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
$\frac{1}{2}$ L from A.P.		4					4		
$\frac{2}{8}$ L "		2					2		
Amidships		4					4		
$\frac{2}{8}$ L from F.P.		2					2		
$\frac{1}{2}$ L "		4					4		
F.P.		1					1		
Total									

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = +6.26$
If limited on account of midship superstructure.

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 " =

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Ft. Depth to Freeboard Deck = 25.19 Summer freeboard = 3.48 Moulded draught (d) = 21.71 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 5.43 = 5 7/16 Addition for Winter North Atlantic Freeboard (if required) = $\frac{d}{3} = 7.24 = 7 1/4$	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 6850$ Tons per inch immersion at summer load water line $T = 29.18$ Deduction = $\frac{\Delta}{40T}$ inches = 5.87 = 5 7/8	TABULAR FREEBOARD corrected for Fresh Deck (if required) Correction for coefficient Depth Correction 10.72 Deduction for superstructures 24.09 Sheer correction 6.26 Round of Beam correction02 Correction for Thickness of Deck amidships Other corrections, scantlings, etc. 17.00 24.09 - 7.09 Summer Freeboard = 41.66	46.01 48.75 52.7 13.8.23
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:

Timber	Tropical Fresh Water Line above Centre of Disc	597 mm	23 1/2	Timber	Tropical Fresh Water Freeboard	775 "
"	Fresh Water Line	457 "	18 "	"	Fresh Water	915 "
"	Tropical Line	451 "	17 3/4 "	"	Tropical	921 "
"	Winter Line below above	127 "	5 "	"	Winter	1245 "
"	Winter North Atlantic Line below	184 "	7 1/4 "	"	Winter North Atlantic	1556 "

Summer Line above **312 12 1/4**

10m 3.37. T.

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