

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker					Port of Survey
having					Date of Survey 29/6/31
(Type of Superstructures.)					Name of Surveyor
Ship's Name <i>Amell Land</i>	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build	Particulars of Classification <i>100 ft with pr Continental</i>
Moulded dimensions: Length 486 Breadth 62.0 Depth 35.0					
Moulded displacement at moulded draught = 85 per cent. of moulded depth					
Coefficient of fineness for use with Tables .706 given					

Depth for Freeboard (D) Moulded depth ... Stringer plate ... Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 35.04	Depth correction (a) Where D is greater than Table depth (D - Table depth) R = +7.92" (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 <i>Assumed standard</i> Difference Restricted to Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed ...						Standard Height of Superstructure 7.5
" overhang ...						" " R.Q.D.
R.Q.D. enclosed ...						Deduction for complete superstructure 42
" overhang ...						Percentage covered $\frac{S}{L} =$
Bridge enclosed ...						" " $\frac{S_1}{L} =$
" overhang aft ...						" " $\frac{E}{L} =$
" overhang forward ...						Percentage from Table, Line A. 65.24
F'cle enclosed ...						(corrected for absence of forecastle (if required)) 65.24
" overhang ...						Percentage from Table, Line B.
Trunk aft ...						(corrected for absence of forecastle (if required))
" forward ...						Interpolation for bridge less than 2L (if required)
Tonnage opening aft ...						Deduction = 42.00 x .6524 = 27.40
" " forward						
Total ...						

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product	
A.P. ...		1					1			Mean actual sheer aft =
1/6 L from A.P. ...		4					4			Mean standard sheer aft =
2/6 L " ...		2					2			Mean actual sheer forward =
Amidships ...		4					4			Mean standard sheer forward =
2/6 L from F.P. ...		2					2			Length of enclosed superstructure forward of amidships =
1/6 L " ...		4					4			" " aft of " =
F.P. ...		1					1			
Total ...										

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

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 = 35.04 Ft. Summer freeboard = 6.71 Moulded draught (d) = 28.33 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ Tons per inch immersion at summer load water line T = Deduction = $\frac{\Delta}{40 T}$ inches =	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient Depth Correction ... Deduction for superstructures ... Sheer correction ... Round of Beam correction ... Correction for Thickness of Deck amidships ... Other corrections, scantlings, etc. ... Summer Free	98.10 99.98
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line.

Tropical Fresh Water Line above Centre of Disc	Tropical Fresh Water Freeboard	...
Fresh Water Line	"	"	Fresh Water	"
Tropical Line	"	"	Tropical	"
Winter Line below	"	"	Winter	"
Winter North Atlantic Line	"	"	Winter North Atlantic	"