

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

30524

27'-6" all seasons.

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having _____

Port of Survey _____

(Type of Superstructures.) _____

Date of Survey 23/1/34

Ship's Name <u>Alcantara</u>	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
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Name of Surveyor _____

Moulded Dimensions: Length 640 Breadth 78 Depth 34.58

Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons

Coefficient of fineness for use with Tables 738.739

Particulars of Classification _____

<p>Depth for Freeboard (D) <u>34.58</u></p> <p>Moulded depth</p> <p>stringer plate <u>.04</u></p> <p>beathing on exposed deck</p> <p>$T \left(\frac{L-S}{L} \right) =$ _____</p> <p>Depth for Freeboard (D) = <u>34.62</u></p>	<p>Depth correction</p> <p>(a) Where D is greater than Table depth (D-Table depth) R = _____</p> <p>(b) Where D is less than Table depth (if allowed) (Table depth-D) R = <u>(42.67 - 34.62) 33</u></p> <p><u>8.05 = -24.15</u></p> <p>If restricted by superstructures _____</p>	<p>Round of Beam correction</p> <p>Moulded Breadth (B) _____</p> <p>Standard Round of Beam = $\frac{B \times 12}{50} =$ _____</p> <p>Ship's Round of Beam = <u>Standard</u></p> <p>Difference _____</p> <p>Restricted to _____</p> <p>Correction = $\frac{Diff}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <u>Nil</u></p>
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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 7'-6"

 " " R.Q.D. _____

Deduction for complete superstructure 42.00

Percentage covered $\frac{S}{L} =$ _____

 " " $\frac{S_1}{L} =$ 100%

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

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 = 42

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
... ..		1		<u>+6</u>		1	
from A.P.		4				4	
" 		2				2	
amidships		4				4	
from F.P.		2				2	
" 		4				4	
... ..		1				1	
Total				<u>+6</u>			

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 " = _____

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} \right) =$.50"

If limited on account of midship superstructure. _____

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

<p>Correction for Tropical Freeboard.</p> <p>Correction for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = <u>34.62</u> Ft.</p> <p>Summer freeboard = <u>6.54</u></p> <p>Moulded draught (d) = <u>28.08</u></p> <p>Correction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = _____</p> <p>Correction for Winter North Atlantic Freeboard (if required) = _____</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line _____</p> <p>$\Delta =$ _____</p> <p>Tons per inch immersion at summer load water line _____</p> <p>T = _____</p> <p>Deduction = $\frac{\Delta}{40T}$ inches = _____</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient $\frac{1419}{1360}$</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;">+</td><td style="text-align: center;">-</td></tr> <tr><td style="text-align: center;">Depth Correction</td><td style="text-align: center;">- 24.15</td></tr> <tr><td style="text-align: center;">Deduction for superstructures</td><td style="text-align: center;">- 42.00</td></tr> <tr><td style="text-align: center;">Sheer correction</td><td style="text-align: center;">- .50</td></tr> <tr><td style="text-align: center;">Round of Beam correction</td><td style="text-align: center;">-</td></tr> <tr><td style="text-align: center;">Correction for Thickness of Deck amidships</td><td style="text-align: center;">-</td></tr> <tr><td style="text-align: center;">Other corrections, scantlings, etc.</td><td style="text-align: center;">-</td></tr> <tr><td style="text-align: center;">Total</td><td style="text-align: center;">- 66.65</td></tr> </table> <p>Summer Freeboard = <u>78.47</u></p>	+	-	Depth Correction	- 24.15	Deduction for superstructures	- 42.00	Sheer correction	- .50	Round of Beam correction	-	Correction for Thickness of Deck amidships	-	Other corrections, scantlings, etc.	-	Total	- 66.65
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

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 " "

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