

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name "LA PLATA"	Official Number 8559	Nationality and Port of Registry Swedish Stockholm.	Gross Tonnage About 7000	Date of Build 1943.	Port of Survey Malmö.
Moulded Dimensions: Length 418'-0" Breadth 57'-0" Depth 37'-8"					Date of Survey Whilst building.
Moulded displacement at moulded draught = 85 per cent. of moulded depth 15610 tons					Surveyor's Signature Adunden
Coefficient of fineness for use with Tables 0.716					Particulars of Classification 100 A1 with freeboard.

<p>Depth for Freeboard (D).</p> <p>Moulded depth ... 37.67</p> <p>Stringer plate 15 mm.</p> <p>Sheathing on exposed deck 2.8 in length.</p> <p>$T = \frac{L-S}{L}$ = 0.05</p> <p>Depth for Freeboard (D) = 37.72</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 =</p> <p>If restricted by superstructures</p>	<p>Round of Beam correction.</p> <p>Moulded Breadth (B) 57.00</p> <p>Standard Round of Beam = $\frac{B \times 12}{50}$ = 13.68"</p> <p>Ship's Round of Beam = 13.78"</p> <p>Difference</p> <p>Restricted to</p> <p>Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L}\right)$ =</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 ...						Standard Height of Superstructure
» overhang ...						» » R.Q.D.
R.Q.D. enclosed ...						Deduction for complete superstructure
» overhang ...						Percentage covered $\frac{S}{L}$ =
Bridge enclosed ...						» » $\frac{S_1}{L}$ =
» overhang aft ...						» » $\frac{E}{L}$ =
» overhang forward						Percentage from Table, Line A.
F'ele enclosed ...	82.33'		8.00"			(corrected for absence of forecastle (if required))
» overhang ...	0.83'		8.00"			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 =
» » forward						
Total ...						

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...		1		53.98"		1	
1/6 L from A.P. ...		4		18.42"		4	
2/6 L » ...		2		1.30"		2	
Amidships ...		4		0.		4	
2/6 L from F.P. ...		2		14.01"		2	
1/6 L » ...		4		48.54"		4	
F.P. ...		1		108.11"		1	
Total ...							

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

If limited on account of midship superstructure.

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

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Ft.</p> <p>Depth to Freeboard Deck =</p> <p>Summer freeboard =</p> <p>Moulded draught (d) =</p> <p>Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =</p> <p>Addition 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>Δ =</p> <p>Tons per inch immersion at summer load water line</p> <p>T =</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches =</p> <p>In over!</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required)</p> <p>Correction for coefficient</p> <table border="1"> <tr> <td></td> <td>+</td> <td>-</td> </tr> <tr> <td>Depth Correction ...</td> <td></td> <td></td> </tr> <tr> <td>Deduction for superstructures ...</td> <td></td> <td></td> </tr> <tr> <td>Sheer correction ...</td> <td></td> <td></td> </tr> <tr> <td>Round of Beam correction ...</td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck amidships ...</td> <td></td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc. ...</td> <td></td> <td></td> </tr> </table> <p>Summer Freeboard =</p>		+	-	Depth Correction ...			Deduction for superstructures ...			Sheer correction ...			Round of Beam correction ...			Correction for Thickness of Deck amidships ...			Other corrections, scantlings, etc. ...		
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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 » » ...

LA PLATA.

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.

Displacement in salt water and tons per inch immersion: -

Moulded draft.	Tons.	Tons/inch
24'	11200	45.37
25'	11745	45.76
26'	12295	46.15
27'	12850	46.55
28'	13410	46.96

Trade of ship

Names of sister ships

Builder's name and yard number *Kockmans Mek. Verkstads A. B., Mahmö, Yard no. 251.*

Owners *Rederiaktiebolaget Nordstjärnan, Stockholm.*

Fee £



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Foundation