

Steamer Draught

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

For LONDON OFFICE ONLY

Received

Index No.

Govt. Copy

Owners C11

Ship's Name 10PAS. ex Trans	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 460	Breadth 59	Depth 34	Date of Survey 11.12.57		
Freeboard Length 460	Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) _____ tons				Surveyor's Signature _____
Coefficient of fineness for use with Tables .790	Particulars of Classification +120A1 CP1B				

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth ... 34.07	(a) Where D is greater than Table depth (D-Table depth) R = (34.07 - 30.67) 3 = +10.20"	Moulded Breadth (B) 59.00
Stringer plate07	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = 34	Standard Round of Beam = $\frac{B \times 12}{50} = 14.16$
Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ —	If restricted by superstructures —	Ship's Round of Beam = 14.16
Depth for Freeboard (D) = 34.07		Difference —
		Restricted to —
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.16}{4} \times .5411 = +.02$

DEDUCTION FOR SUPERSTRUCTURES.					Standard Height of Superstructure 7.5'	
Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	R.Q.D.	
Poop enclosed ... 92.24		1			42.0	
" overhang ...						
R.Q.D. enclosed ...		1				
" overhang ...						
Bridge enclosed ... 47.56		7.5				
" overhang aft ...						
" overhang forward ...						
F'cle enclosed ... 48.28		1				
" overhang ...						
Trunk aft ...		do				
" forward ...						
Tonnage opening aft ...						
" " forward ...						
Total ... 188.08						

Percentage covered $\frac{S}{L} =$ **40.89**

Percentage from Table, Line A. (corrected for absence of forecastle (if required)) **24.25**

Percentage from Table, Line B. (corrected for absence of forecastle (if required)) **28.25**

Interpolation for bridge less than .2L (if required) $\frac{4}{2} \times .1034 = 2.068$

Deduction = $42 \times 2.632 = 11.05$

2.068
12.07

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

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

If limited on account of midship superstructure.

Mean actual sheer aft = _____

Mean standard sheer aft = **Standard.**

Mean actual sheer forward = _____

Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____

" " aft of " = _____

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)																								
Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 34.07 Summer freeboard = 8.06 Moulded draught (d) = 26.01 Keel allowance = _____ Extreme draught = _____ Deduction for Tropical freeboard and addition for = _____ Winter freeboard = $\frac{d}{4}$ inches = _____ Addition for Winter North Atlantic Freeboard (if required) = _____	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 = _____	Correction for coefficient 1.47/1.36 <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th></th> <th>+</th> <th>-</th> </tr> <tr> <td>Depth Correction</td> <td>18.20</td> <td>—</td> </tr> <tr> <td>Deduction for superstructures</td> <td>—</td> <td>11.05</td> </tr> <tr> <td>Sheer correction</td> <td>—</td> <td>—</td> </tr> <tr> <td>Round of Beam correction</td> <td>.02</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> <tr> <td></td> <td>10.22</td> <td>11.05</td> </tr> </table> Summer Freeboard = 96.67		+	-	Depth Correction	18.20	—	Deduction for superstructures	—	11.05	Sheer correction	—	—	Round of Beam correction	.02	—	Correction for Thickness of Deck amidships	—	—	Other corrections, scantlings, etc.	—	—		10.22	11.05
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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	"