

DISCLOSED SECTION NO.

Rpt. C.11 (Comp.).

Index. No. 31516
(For London Office only).

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

264.

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Roma					
Moulded Dimensions: Length 708.7 Breadth 82.67 Depth 51.51					Date of Survey 1.6.39
Moulded displacement at moulded draught = 85 per cent. of moulded depth.					Surveyor's Signature
Coefficient of fineness for use with Tables assumed .77					Particulars of Classification 100A1 with fineness

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... 39.25	(a) Where D is greater than Table depth (D-Table depth) R =	Moulded Breadth (B)
Stringer plate05	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50}$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	(47.25-39.30) x 3 = - 23.85	Ship's Round of Beam =
Depth for Freeboard (D) = 39.30	If restricted by superstructures	Difference
		Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right)$

DEDUCTION FOR SUPERSTRUCTURES.				
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	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	7.5
„ „ R.Q.D.	
Deduction for complete superstructure	42
Percentage covered $\frac{S}{L} =$	
„ „ $\frac{S_1}{L} =$	100
„ „ $\frac{E}{L} =$	
Percentage from Table, Line A.	100
(corrected for absence of forecastle (if required))	
Percentage from Table, Line B.	100
(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
A.P. ...		1				1	
$\frac{1}{4}$ L from A.P. ...		4				4	
$\frac{1}{2}$ L „ ...		2				2	
Amidships ...		4				4	
$\frac{1}{2}$ L from F.P. ...		2				2	
$\frac{1}{4}$ L „ ...		4				4	
F.P. ...		1				1	
Total ...							

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75-S}{2L} \right) = -.50$

If limited on account of midship superstructure.

L.R. Rule: When Deck height = 8.00
Convention: standard height = 7.50
Difference = .50

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 „ =	

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD	154.11
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Corrected for Flush Deck (if required)	164.30
Depth to Freeboard Deck = 39.30	$\Delta =$	Correction for coefficient $\frac{.77468}{1.36} = \frac{1.45}{1.36}$	
Summer freeboard = 8.16	Tons per inch immersion at summer load water line	Depth Correction ... 23.85	
Moulded draught (d) = 31.14	T =	Deduction for superstructures ... 42.00	
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 7.78	Deduction = $\frac{\Delta}{40T}$ inches	Sheer correction50	
Addition for Winter North Atlantic Freeboard (if required) =		Round of Beam correction ...	
Winter Draught = 30.49		Correction for Thickness of Deck amidships ...	
		Other corrections, scantlings, etc. ...	
		Summer Freeboard = 97.95	

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 „ „ ...	

Draught Dated = 30' 6" all seasons etc.

10m 3.37. T.

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