

KT
10/10/32

See "Hedjan" R/R N 10215 for computation

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(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker					Port of Survey
having					Date of Survey 21/1/32
(Type of Superstructures.)					Name of Surveyor
Ship's Name S.S. Jan	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build	Particulars of Classification
Moulded Dimensions: Length	Breadth	Depth	Moulded displacement at moulded draught = 85 per cent. of moulded depth tons		
Percent of fineness for use with Tables					

Depth for Freeboard (D) Depth ... Exposed deck ... Depth for Freeboard (D) =	Depth correction (a) Where D is greater than Table depth (D - Table depth) R = (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 = Difference Restricted to Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ =
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Enclosed ...					
Overhang ...					
Enclosed ...					
Overhang ...					
Enclosed ...					
Overhang aft ...					
Overhang forward ...					
Enclosed ...					
Overhang ...					
Aft ...					
Forward ...					
Opening aft ...					
Forward ...					
Total ...					

Standard Height of Superstructure
" " R.Q.D.
Deduction for complete superstructure
Percentage covered $\frac{S}{L}$ =
" " $\frac{S_1}{L}$ =
" " $\frac{E}{L}$ =
Percentage from Table, Line A.
(corrected for absence of fore-castle (if required))
Percentage from Table, Line B.
(corrected for absence of fore-castle (if required))
Interpolation for bridge less than 2L (if required)
Deduction =

SHEER CORRECTION.

Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
...	1				1	
...	4				4	
...	2				2	
...	4				4	
...	2				2	
...	4				4	
...	1				1	

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 " =

Difference between sums of products $\left(75 - \frac{S}{2L}\right) =$
on account of midship superstructure.

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

for Tropical Freeboard. for Winter and Winter North Freeboard. to Freeboard Deck = Ft. Freeboard = Moulded draught (d) = Tropical freeboard and addition for board = $\frac{d}{4}$ inches = Winter North Atlantic Freeboard (if	Deduction for Fresh Water. Displacement in salt water at summer load water line Δ = 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 <table><tr><th>+</th><th>-</th></tr><tr><td>Depth Correction ...</td><td></td></tr><tr><td>Deduction for superstructures ...</td><td></td></tr><tr><td>Sheer correction ...</td><td></td></tr><tr><td>Round of Beam correction ...</td><td></td></tr><tr><td>Correction for Thickness of Deck amidships ...</td><td></td></tr><tr><td>Other corrections, scantlings, etc. ...</td><td></td></tr></table> Summer Freeboard =	+	-	Depth Correction ...		Deduction for superstructures ...		Sheer correction ...		Round of Beam correction ...		Correction for Thickness of Deck amidships ...		Other corrections, scantlings, etc. ...	
+	-															
Depth Correction ...																
Deduction for superstructures ...																
Sheer correction ...																
Round of Beam correction ...																
Correction for Thickness of Deck amidships ...																
Other corrections, scantlings, etc. ...																

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 " " ...

Present Fbds. { Summer 1 - 1 1/2
Winter 1 - 3 3/4

Difference { 5 - 3/4
1 1/2 + 1/2

1 - 0 3/4
1 - 4 7/4