

11MBER

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index. No. 28110
(For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker

Pop. R. O. Bk. Bridge & Ice

Port of Survey

Date of Survey

29/2/32

Name of Surveyor

Particulars of Classification

(Type of Superstructures.)

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

derika

Dimensions: Length

Breadth

Depth

displacement at moulded draught = 85 per cent. of moulded depth

of fineness for use with Tables

768

tons

Depth for Freeboard (D)

Depth correction

(a) Where D is greater than Table depth
(D - Table depth) R =

+4.32

(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 = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ = -0.02

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
osed ...					
erhang ...					
nclosed ...					
erhang ...					
nclosed ...					
erhang aft ...					
erhang forward ...					
osed ...					
hang ...					
... ..					
ward ...					
pening aft ...					
... forward					
tal ...					

Standard Height of Superstructure

" " R.Q.D.

Deduction for complete superstructure 32.50

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

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

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

65.61

Percentage from Table, Line A.

(corrected for absence of forecastle (if required))

Percentage from Table, Line B. Timber 48.84

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required)

Deduction = 32.50 x .4884 = -25.63

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 =
L

" " aft of " =

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

-0.46

on account of midship superstructure.

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

or Tropical Freeboard.

Winter and Winter North Freeboard.

to Freeboard Deck = 19.79

er freeboard = 1.33

moulded draught (d) = 18.46

Tropical freeboard and addition for

board = $\frac{d}{4}$ inches = 6.15 = 6.4

Winter North Atlantic Freeboard (if

Deduction for Fresh Water.

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

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction
Deduction for superstructures
Sheer correction
Round of Beam correction
Correction for Thickness of Deck amidships
Other corrections, scantlings, etc.

+	-
4.32	
	25.63
	46
	0.02
4.32	26.11

Summer Freeboard = 15.95

UMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

Tropical Fresh Water Line above Centre of Disc
Fresh Water Line " "
Tropical Line " "
Winter Line below " "
Winter North Atlantic Line " "

Tropical Fresh Water Freeboard
Fresh Water " "
Tropical " "
Winter " "
Winter North Atlantic " "

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