

Lloyd's Register of SHIPS SURVEYS FOR FREE

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having

Port of Survey

(Type of Superstructures.)

Date of Survey

Ship's Name

Nationality and Port of Registry

Official Number

Gross Tonnage

Date of Build

KOMAKI MARU

Name of Surveyor

Moulded Dimensions: Length

Breadth

Depth

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

tons

Particulars of Classification

ent of fineness for use with Tables

Depth for Freeboard (D)

Depth correction

Round of Beam correction

pth

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

Moulded Breadth (B)

Standard Round of Beam = $\frac{B \times 12}{50}$ =

Ship's Round of Beam =

Difference

Restricted to

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

posed deck

=

(b) Where D is less than Table depth (if allowed)
(Table depth-D) R =

th for Freeboard (D) =

If restricted by superstructures

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
ed					
ang					
osed					
hang					
osed... ..					
hang aft					
hang forward					
ed					
ang					
... ..					
ard					
ening aft					
... forward					
ul					

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 forecastle (if required))

Percentage from Table, Line B.

(corrected for absence of forecastle (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 =
L

" " aft of " =

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

n account of midship superstructure.

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

r Tropical Freeboard.

Winter and Winter North
eeboard.

Ft.

o Freeboard Deck =

freeboard =

moulded draught (d) =

Tropical freeboard and addition for

reeboard = $\frac{d}{4}$ inches =

Addition for Winter North Atlantic Freeboard (if required)=

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

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 =

SUMMER FR

ainids ships from Centre of Disc

top of Deck Line, Wood, Steel, Deck:--

Line above Centre of Disc ...

" " ...

" " ...

below " " ...

" " ...

Tropical Fresh Water Freeboard ...

Fresh Water ...

Tropical ...

Winter ...

Winter North Atlantic ...

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Foundation