Rpt. C.11 (Comp.).

As built

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No._____
(For London Office only.)

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
Bengkalis				

Moulded Dimensions: Length 420 Breadth 545 Depth 36

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

Coefficient of fineness for use with Tables 78 ext ✓

Port of Survey _____

Date of Survey _____

Surveyor's Signature EJ

Particulars of Classification _____

DEPTH FOR FREEBOARD (D).

Moulded depth 36.00

Stringer plate ... ... .08

Sheathing on exposed deck

$T\left(\dfrac{L-S}{L}\right) =$

Depth for Freeboard (D) = 36.08 ✓

DEPTH CORRECTION.

(a) Where D is greater than Table depth
(D−Table depth) R =
$\dfrac{(36.08-28)}{8.08} = +24.24$ ✓

(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 = $\dfrac{B \times 12}{50}$ =

Ship's Round of Beam =

Difference

Restricted to

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S₁)	Height	Height Correction	Effective Length (E)
approx Poop enclosed (equiv.)	32 ✓	32 ✓			
" overhang ... "	9	4.5 ✓			
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward ...					
F'cle enclosed ...	43 ✓	43 ✓			
" overhang ...					
Trunk aft					
" forward ...					
Tonnage opening aft ...					
" " forward...					
Total	84 ✓	79.5 ✓			79.5 ✓

Standard Height of Superstructure _____ 7.5 ✓

" " R.Q.D. _____

Deduction for complete superstructure 42 ✓

Percentage covered $\dfrac{S}{L}$ = 20 ✓

" " $\dfrac{S_1}{L}$ } 18.93 ✓

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

Percentage from Table, Line A. 0.46 ✓
(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 = $42 \times 0.946 = -3.97$ ✓

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	52 ✓	1		54 ✓		1	
⅙L from A.P. ...		4				4	
⅔L " ...		2				2	
Amidships ...		4				4	
⅔L from F.P. ...		2				2	
⅙L " ...		4				4	
F.P.	104	1		132 ✓		1	
Total ...			468				

$\dfrac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$ } Excess

$\dfrac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$

$\dfrac{\text{Length of enclosed superstructure}}{L}$ forward of amidships =

" " aft of " =

Nil

Correction = $\dfrac{\text{Difference between sums of products}}{18}\left(\cdot75 - \dfrac{S}{2L}\right) =$
If limited on account of midship superstructure. Yes NIL ✓

If limited to maximum allowance of 1½ ins. per 100 ft.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freebroad.

Ft.

Depth to Freeboard Deck = 36.08 ✓

Summer freeboard = 8.65 ✓

Moulded draught (d) = 27.43 ✓

Deduction for Tropical freeboard and addition for

Winter freeboard = $\dfrac{d}{4}$ inches =

Addition for Winter North Atlantic Freeboard (if required)=

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\triangle$ =

Tons per inch immersion at summer load water line

T =

Deduction = $\dfrac{\triangle}{40\,T}$ inches =

TABULAR FREEBOARD corrected for Flush Deck (if required) 77.80 ✓

Correction for coefficient 83.52 ✓

	+	−
Depth Correction	24.24	
Deduction for superstructures ...		3.97 ✓
Sheer correction	−	
Round of Beam correction ...	−	
Correction for Thickness of Deck amidships ...	−	
Other corrections, scantlings, etc. ...	−	
	24.24 ✓	3.97 ✓	+ 20.27 ✓

Summer Freeboard = 103.79 ✓

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 "		...	...	

5m T 11/41. McC.

Note existing f 'bd 8.79' per Rotterdam letter 24/6/47

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