

Lloyd's Register of Shipping
SURVEYS FOR FREEBOARD.Index. No. 18631
(For London Office only.)

30 JAN 1923

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having

Forecastle

Port of Survey

Freetown

Date of Survey

25 January 1923

Name of Surveyor

P. J. Letac

AFRICAN MARINER

(Type of Superstructures.)

Ship's Name

Nationality and Port of

Registry

Official Number

Gross Tonnage

Date of Build

OK BOIS-SOLEIL

French.
LE HAVRE

6.554.

1919

- 12

Moulded Dimensions: Length 111.6

Breadth 55.458

Depth 38' 1 1/2"

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

tons

Coefficient of fineness for use with Tables

Particulars of Classification

11000A. Shells 4. with 12. 31.
S.H.A. No 3 - 12. 31.

Depth for Freeboard (D)

Moulded depth

Stringer plate

Sheathing on exposed deck

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

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)

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

$$\text{Ship's Round of Beam} =$$

Difference

Restricted to

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

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
„ overhang					
R.Q.D. enclosed					
„ overhang					
Bridge enclosed					
„ overhang aft					
„ overhang forward					
F'cle enclosed	40'				
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft					
„ „ forward					
Total					

Standard Height of Superstructure

R.Q.D.

Deduction for complete superstructure

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

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

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

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.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
1/6 L from A.P.		4					4		
2/6 L „		2					2		
Amidships		4					4		
2/6 L from F.P.		2					2		
1/6 L „		4					4		
F.P.		1					1		
Total									

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 „ =

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

If limited on account of midship superstructure.

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

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = Ft.

Summer freeboard =

Moulded draught (d) =

Deduction for Tropical freeboard and addition for

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

Addition for Winter North Atlantic Freeboard (if required =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

 $\Delta =$

Tons per inch immersion at summer load water line

T =

$$\text{Deduction} = \frac{\Delta}{40 T} \text{ inches}$$

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.

Summer Freeboard =

SUMMER 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	„	„

30 JAN 1933

Particulars of Scuppers and Sanitary Discharge Pipes — No scuppers or discharge pipes from spaces below the freeboard deck.

Particulars of Side Scuttles: 10" scuttles in Forecastle } into steel covers permanently attached
9" " in Crew space after end of Shelter Deck. }

Particulars of Guard Rails :-

On Fick.

36" 1" bar.

18" 3/8" bar.

Hand 1 1/4" spaced 64".

On Field Deck clear of Deck House.

24" 1" bar.

36" 3/8" bar.

18" 3/4" bar.

Hand 1 1/2" spaced 60".

Provision is made for rigging life lines
forward and aft P.T.S. on the Sheeldeck

Particulars of Freeing Arrangements.						
	Length of Bulwark	Height of Bulwark	Size of Freeing Ports	Number each side	Area each side	Rule area each side
After Well						
Forward Well						

State position of each freeing port } After Well :—
 (F. and A. position and height above deck edge) } Forward Well :—
 State whether the freeing ports are fitted with shutters, bars, or rails, and give particulars of such :—
 Additional area where sheer is less than standard.

Particulars of Superstructures, Trunks, Casings, Deckhouses.								
	Coaming	Plating	Stiffeners	Spacing	End Attachments of Stiffeners	Size of Openings	Height of Sills	Height of Casings
Poop Bulkhead								
Raised Quarter Deck Bulkhead ...								
Bridge, After Bulkhead								
Bridge, Forward Bulkhead								
Forecastle Bulkhead ... <i>Open Deck</i> ...								
Trunk, Aft								
Trunk, Forward								
Exposed Machinery Casings on Free-board or Raised Quarter Decks ...						60' x 24"	18"	9'6"
Exposed Machinery Casings on Super-structure Decks								
Machinery Casings within Superstructures not fitted with Class I Closing Appliances								
Deckhouses on Flush Deck Ships ...								

Particulars of Closing Appliances (state if capable of being manipulated from both sides).

Poop Bulkhead	...	...
Raised Quarter Deck Bulkhead	...		
Bridge, After Bulkhead	...	...
Bridge, Forward Bulkhead	...	...
Forecastle Bulkhead	...	...
Exposed Machinery Casings on Freeboard or Raised Quarter Decks	...		
Exposed Machinery Casings on Superstructure Decks	...	...
Machinery Casings within Superstructures not fitted with Class I Closing Appliances	...	...
Deckhouses on Flush Deck Ships	...		

Steel doors, hinged, manipulated from both sides.

© 2020
Lloyd's Register

Pa. Solem



Pa. Solem

Pa. Solem

Pa. Solem

Pa. Solem

Pa. Solem

Pa. Solem

Pa. Solem