Rpt. C.11.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index. No. FB 10
(For London Office only.)

3 - AUG

Computation of Freeboard for Steamer, Sailing Ship, Tanker

having raised deck in forecastle

(Type of Superstructures.)

Port of Survey Amsterdam

Date of Survey 30.7.'48

Name of Surveyor [signature]

Particulars of Classification +100 A1
Awning deck with freeboard.

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
Luxor	Panamanian Panama	✓	5544	1915 9

Moulded Dimensions: Length 380'.0" Breadth 48.6" Depth 35'-3" to awning deck

Moulded displacement at moulded draught = 85 per cent. of moulded depth to awning deck 12000 tons
to main deck 8460 tons

Coefficient of fineness for use with Tables 0.778 & 0.745 respectively.

Depth for Freeboard (D)

Moulded depth ... ... 10744 mm

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)

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

Ship's Round of Beam = 228 mm

Difference

Restricted to

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

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	43-6		3-6		
„ overhang					
Trunk aft					
„ forward					
Tonnage 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 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 mm	Effective Ordinate	S M	Product
A.P.		1		930		1	
$\frac{1}{6}$L from A.P. ...		4		350		4	
$\frac{2}{6}$L „ ...		2		30		2	
Amidships ...		4		0		4	
$\frac{2}{6}$L from F.P. ...		2		340		2	
$\frac{1}{6}$L „ ...		4		1030		4	
F.P.		1		2325		1	
Total ...							

$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$

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

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

„ „ aft of „ =

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

If limited on account of midship superstructure.

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

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

		Ft.
Depth to Freeboard Deck	=	
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 =

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.		

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	...	...	Tropical Fresh Water Freeboard	...	...
Fresh Water Line	„	„	...	...	Fresh Water	„	... ...
Tropical Line	„	„	...	...	Tropical	„	... ...
Winter Line	below	„	...	...	Winter	„	... ...
Winter North Atlantic Line	„	„	...	...	Winter North Atlantic	„	... ...

5m,9,32.

© 2020 Lloyd's Register Foundation

002194-002205-0018