

Timber - If bridge front openings closed by Class II Appliances

Rpt. C.11 (Comp.).

Index No. 37356
(For London Office only.)

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

Ship's Name: JULIA
Official Number:
Nationality and Port of Registry:
Gross Tonnage:
Date of Build:
Port of Survey:
Date of Survey:
Surveyor's Signature:
Particulars of Classification:
Moulded Dimensions: Length 310.44 Breadth 46.33 Depth 25.16
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons
Coefficient of fineness for use with Tables:

DEPTH FOR FREEBOARD (D).
Moulded depth ...
Stringer plate ...
Sheathing on exposed deck
T (L-S) / L =
Depth for Freeboard (D) =
DEPTH CORRECTION.
(a) Where D is greater than Table depth (D-Table depth) R = + 10.72
(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 = B x 12 / 50 =
Ship's Round of Beam =
Difference
Restricted to
Correction = Diff / 4 x (1 - S1 / L) = + 0.02

DEDUCTION FOR SUPERSTRUCTURES.
Standard Height of Superstructure
" " R.Q.D.
Deduction for complete superstructure 36.03
Percentage covered S / L =
" " S1 / L =
" " E / L = 43.75
Percentage from Table, Line A.
(corrected for absence of forecastle (if required))
Percentage from Table, Line B Timber 65.34
(corrected for absence of forecastle (if required))
Interpolation for bridge less than .2L (if required)
Deduction = 36.03 x .6534 = 23.54
Mean Covered Length (S)
Equivalent Enclosed Length (S1)
Height
Height Correction
Effective Length (E)
Poop enclosed ...
" overhang ...
R.Q.D. enclosed ...
" overhang ...
Bridge enclosed ...
" overhang aft ...
" overhang forward ...
F'cle enclosed ...
" overhang ...
Trunk aft ...
" forward ...
Tonnage opening aft ...
" " forward ...
Total ...

SHEER CORRECTION.
Station
Standard Ordinate
S M
Product
Actual Ordinate
Effective Ordinate
S M
Product
A.P. ...
1/8 L from A.P. ...
2/8 L " ...
Amidships ...
2/8 L from F.P. ...
1/8 L " ...
F.P. ...
Total ...
Mean actual shear aft
Mean standard shear aft =
Mean actual shear forward
Mean standard shear forward =
Length of enclosed superstructure L forward of amidships =
" " aft of " =
Correction = Difference between sums of products (.75 - S / 2L) = + 6.26
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.
Ft.
Depth to Freeboard Deck =
Summer freeboard =
Moulded draught (d) =
Deduction for Tropical freeboard and addition for
Winter freeboard = 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 = 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 = 42.21
46.01
48.75
+ -
10.72 -
- 23.54
6.26 -
.02 -
- -
17.00 23.54 - 6.54

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 " ...
3 - 6 1/4" = 1073