

4 APR 1951

Rpt. C.11 (Comp.).

Modification on account

of strengthening for

9-1/4" more draught.

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, ~~SAILING SHIP~~, TANKER.)Index No.
(For London Office only.)

Ship's Name WALTON	Official Number 176003	Nationality and Port of Registry British Halifax, N.S.	Gross Tonnage 7148	Date of Build 1945	Port of home Montreal, P. Q.
Moulded Dimensions: Length Breadth Depth					Date of survey 25th. May, 1950.
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons					Surveyor's Signature <i>Hugh L. Walker</i>
Coefficient of fineness for use with Tables					Particulars of Classification <input checked="" type="checkbox"/> 100 A1 with freeboard

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

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

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					
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft					
„ „ forward					
Total					

Standard Height of Superstructure

„ „ R.Q.D.

Deduction for complete superstructure

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

$$S_1$$

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

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

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							

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

If limited on account of midship superstructure.

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

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

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

$$„ „ \text{ aft of } „ =$$

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 = 37.39

Summer freeboard = 9.79

Moulded draught (d) = 27.60

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = $\frac{27.6}{4} = 6.9$

Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line

Δ = 14207 tons

Tons per inch immersion at summer load water line

T = 48.4

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

= 7.33

7-1/4"

TABULAR FREEBOARD corrected for Flush Deck (if required)

$$\text{Correction for coefficient} \frac{.771 \times .68}{1.36} = \frac{1.451}{1.36} =$$

Depth Correction 28.71

Deduction for superstructures

Sheer correction45

Round of Beam correction09

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc.53

29.24 .54 28.70

Summer Freeboard = 117.48

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc 14-1/4"

Fresh Water Line „ „ 7-1/4"

Tropical Line „ „ 7"

Winter Line below „ „ 7"

Winter North Atlantic Line „ „ not assigned

Tropical Fresh Water Freeboard 9'-9-1/2"

Fresh Water „ „ 8'-7-1/4"

Tropical „ „ 9'-2-1/4"

Winter „ „ 9'-2-1/2"

Winter North Atlantic „ „ 10'-4-1/2"

form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have the Surveyor should endorse the form on this side with his signature and the date.

Fee £.....

Lloyd's Register
Foundation