

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name VIC 101	Official Number <i>166698</i>	Nationality and Port of Registry BRITISH. LOWESTOFT.	Gross Tonnage 132	Date of Build 1945	Port of Survey IPSWICH
Moulded Dimensions: Length 79'-10" Breadth 20'-0" Depth 9'-6"					Date of Survey G-3-45
Moulded displacement at moulded draught = 85 per cent. of moulded depth 258 tons					Surveyor's Signature <i>Boysell</i>
Coefficient of fineness for use with Tables .70					Particulars of Classification LOCAL COASTING. LIMITS TO BE DEFINED

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth ... 9'-6"	(a) Where D is greater than Table depth (D-Table depth) R = $(9.52 - 5.32) \times .614 = +2.58$	Moulded Breadth (B) 20'
Stringer plate02	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = 4.2	Standard Round of Beam = $\frac{B \times 12}{50} = 4.8"$
Sheathing on exposed deck ✓	If restricted by superstructures	Ship's Round of Beam = NIL
$T \left(\frac{L-S}{L} \right) =$		Difference 4.8"
Depth for Freeboard (D) = 9.52		Restricted to ✓
		Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{4.8}{4} \times .5042 = +60$

DEDUCTION FOR SUPERSTRUCTURES.					
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...	6'-6"	6.50	6'-0"	✓	6.50
" overhang ...	✓		3'-0"	✓	19.25
R.Q.D. enclosed ...	19'-3"	19.25	6'-0"	✓	19.25
" overhang ...	✓				
Bridge enclosed ...	✓				
" overhang aft ...	✓				
" overhang forward ...	✓				
F'cle enclosed ...	13'-10"	13.83	7'-0"	✓	13.83
" overhang ...	✓				
Trunk aft ...	✓				
" forward ...	✓				
Tonnage opening aft ...	✓				
" " forward ...	✓				
Total ...	39.58	39.58			39.58

Standard Height of Superstructure **6'-0"**
" " R.Q.D. **3'-0"**
Deduction for complete superstructure **13.98**

Percentage covered $\frac{S}{L} =$
" " $\frac{S_1}{L} =$ } **49.58**
" " $\frac{E}{L} =$

Percentage from Table, Line A. **31.64**
(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 = **13.98 × .3164 = -4.42**

SHEER CORRECTION.							
Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	17.98	1	17.98	✓	No SHEER	1	NIL
1/8 L from A.P. ...	8.00	4	32.00	✓		4	
2/8 L " ...	1.98	2	3.96	✓		2	
Amidships ...	-	4	-	✓		4	
2/8 L from F.P. ...	3.96	2	7.92	✓		2	
1/8 L " ...	16.00	4	64.00	✓		4	
F.P. ...	35.97	1	35.97	✓		1	
Total ...			161.83	✓			NIL

Mean actual sheer aft =
Mean standard sheer aft = } **nil.**

Mean actual sheer forward =
Mean standard sheer forward = } **nil.**

Length of enclosed superstructure forward of amidships =
" " aft of " = } **nil.**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{161.83}{18} \left(.75 - \frac{24.79}{50.2} \right) = +4.51$
If limited on account of midship superstructure. **✓** If limited to maximum allowance of 1 1/2 ins. per 100 ft. **✓**

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	corrected for Flush Deck (if required)
Depth to Freeboard Deck = 9.52	Δ =	Correction for coefficient $\frac{70 + .68}{1.36} = \frac{1.38}{1.36}$
Summer freeboard = .94	Tons per inch immersion at summer load water line	
Moulded draught (d) = 8.58	T =	Depth Correction ... 2.58
Deduction for Tropical freeboard and addition for	Deduction = $\frac{\Delta}{40 T}$ inches	Deduction for superstructures ... 4.42
Winter freeboard = $\frac{d}{4}$ inches = 2.14 = 2 1/4	2"	Sheer correction ... 4.51
Addition for Winter North Atlantic Freeboard (if required) = ✓		Round of Beam correction60
		Correction for Thickness of Deck amidships ... -
		Other corrections, scantlings, etc. ... -
		7.69 4.42 +3.27
		Summer Freeboard = 11.37

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

Tropical Fresh Water Line above Centre of Disc *not assigned*
Fresh Water Line " " *not assigned*
Tropical Line " " *not assigned*
Winter Line below " " *not assigned*
Winter North Atlantic Line " " *not assigned*

Tropical Fresh Water Freeboard ... **0'-11 1/4"**
Fresh Water " ... **0'-9 1/4"**
Tropical " ... **✓**
Winter " ... **1'-1 1/2"**
Winter North Atlantic " ... **✓**

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

Trade of ship COASTING.

Names of sister ships "Vic 79 & 80"

Builder's name and yard number RICHARDS IRONWORKS LD. YARD N^o 356.

Owners MINISTRY OF WAR TRANSPORT.

Fee £



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Foundation