

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

Ship's Name "Vic 79" YARD NO 342	Official Number 166696	Nationality and Port of Registry BRITISH Howestoft.	Gross Tonnage 132	Date of Build 1944	Port of Survey IPSWICH
Moulded Dimensions: Length 75-10 Breadth 20-0 Depth 9-6					Date of Survey
Moulded displacement at moulded draught = 85 per cent. of moulded depth 258 tons					Surveyor's Signature My Bell
Coefficient of fineness for use with Tables 7					Particulars of Classification 100 A.1 COASTAL SERVICES - LIMITS TO BE DEFINED.

<b>DEPTH FOR FREEBOARD (D).</b> Moulded depth ... 9.5' Stringer plate ... 0.2 Sheathing on exposed deck $T \left( \frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 4.52	<b>DEPTH CORRECTION.</b> (a) Where D is greater than Table depth (D-Table depth) R = (9.52-5.32) .614 = + 2.58 (b) Where D is less than Table depth (if allowed) (Table depth-D) R = If restricted by superstructures	<b>ROUND OF BEAM CORRECTION.</b> Moulded Breadth (B) 20' Standard Round of Beam = $\frac{B \times 12}{50} = 4.8$ Ship's Round of Beam = NONE Difference 4.8 Restricted to Correction = $\frac{\text{Diff}^2}{4} \times \left( 1 - \frac{S_1}{L} \right) = \frac{4.8^2}{4} \times \frac{50.42}{75} = +.60$
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<b>DEDUCTION FOR SUPERSTRUCTURES.</b>					
	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed	6-6"	6.50	6.0	✓	6.50
" overhang	✓				
R.Q.D. enclosed	19-3"	19.25	3.0	✓	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 x 31.64 = - 4.42					

<b>SHEER CORRECTION.</b>							
Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S
A.P.	17.98	1		17.98	✓		1
1/4 L from A.P.	8.00	4		32.00	✓		4
3/4 L	1.98	2		3.96	✓		2
Amidships	-	4		-	✓	NIL	4
3/4 L from F.P.	3.96	2		7.92	✓		2
1/4 L	16.00	4		64.00	✓		4
F.P.	35.97	1		35.97	✓		1
Total				161.83			
Correction = $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) = \frac{161.83}{18} (.75 - \frac{.2479}{50.21}) = + 4.51$ If limited on account of midship superstructure.							
Mean actual sheer aft Mean standard sheer aft = } NIL Mean actual sheer forward Mean standard sheer forward = } Length of enclosed superstructure forward of amidships = } NIL " " aft of " = }							

<b>Deduction for Tropical Freeboard.</b> <b>Addition for Winter and Winter North Atlantic Freeboard.</b> Depth to Freeboard Deck = 9.52 Summer freeboard = .94 Moulded draught (d) = 8.58 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 2.14 = 2 1/4 Addition for Winter North Atlantic Freeboard (if required) =	<b>Deduction for Fresh Water.</b> 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 = 2"	<b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required) Correction for coefficient $\frac{70 + 68}{1.36} = \frac{1.38}{1.36}$ Depth Correction ... 2.58 Deduction for superstructures ... 4.42 Sheer correction ... 4.51 Round of Beam correction ... .60 Correction for Thickness of Deck amidships ... Other corrections, scantlings, etc. ... Summer Freeboard = 11.37	7.98 8.10 82.8 12.10.46 + 3.27
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<b>SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :-</b>					
Tropical Fresh Water Line above Centre of Disc	...	Not assigned	Tropical Fresh Water Freeboard	...	0 - 11 1/4
Fresh Water Line	"	2"	Fresh Water	"	9 1/4
Tropical Line	"	Not assigned	Tropical	"	11 1/2
Winter Line	below	2 1/4	Winter	"	
Winter North Atlantic Line	"	Not assigned	Winter North Atlantic	"	

5m T 11/41. M°C.  
005756-005778-0299  
24/1/46



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 76", "VIC 77", "VIC 78".

Builder's name and yard number RICHARDS IRONWORKS LD. LOWESTOFT. N° 342.

Owners ADMIRALTY.

Fee £ Charge with Fees.



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Foundation