

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

Ship's Name "Vic 95"	Official Number 180436	Nationality and Port of Registry British HULL	Gross Tonnage 147 tons (Approx)	Date of Build 1945	Port of Survey Dull
Moulded Dimensions: Length 80'25 Breadth 20'00 Depth 9'50					Date of Survey During Construction
Moulded displacement at moulded draught = 85 per cent. of moulded depth 257 tons					Surveyor's Signature L. R. Palmer
Coefficient of fineness for use with Tables .694					Particulars of Classification 100 A.1. (Coastal Service)

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth 9.50	(a) Where D is greater than Table depth (D - Table depth) R = (9.53 - 5.35) x .617 = +2.58 4.18	Moulded Breadth (B) 20.00
Stringer plate03	(b) Where D is less than Table depth (if allowed) (Table depth - D) R = ✓	Standard Round of Beam = $\frac{B \times 12}{50} = \frac{20 \times 12}{50} = 4.8$
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ ✓	If restricted by superstructures ✓	Ship's Round of Beam NIL = 5" on Prop Deck
Depth for Freeboard (D) = 9.53		Difference 4.8
		Restricted to ✓
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{4.8}{4} \times .5086 = +.61$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	6.50	6.50	7'25	-	6.50
.. overhang	NONE				
R.Q.D. enclosed	19'25	19.25	3'00	-	19.25
.. overhang	NONE				
Bridge enclosed	✓				
.. overhang aft	✓				
.. overhang forward	✓				
Fore enclosed	13.68	13.68	7'00	-	13.68
.. overhang					
Trunk aft					
.. forward					
Tonnage opening aft					
.. forward					
Total	39.43	39.43			39.43

Standard Height of Superstructure **6.00**
" " R.Q.D. **3.00**
Deduction for complete superstructure **14.02**
Percentage covered $\frac{S}{L} =$
" " $\frac{S_1}{L} =$ **49.14**
" " $\frac{E}{L} =$
Percentage from Table, Line A. **31.27**
(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 = **14.02 x .3127 = -4.39**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	18.02	1		18.02		↑	1		↑
1/4 L from A.P.	8.02	4		32.08		↑	4		↑
1/2 L "	1.98	2		3.96		↑	2		↑
Amidships	-	4		-		↑	4		↑
3/4 L from F.P.	3.965	2		7.93		↑	2		↑
1/4 L "	16.04	4		64.16		↑	4		↑
F.P.	36.05	1		36.05		↑	1		↑
Total				162.20					NIL

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{162.2}{18} \left(.75 - \frac{24.57}{50.43} \right) = +4.54$
If limited on account of midship superstructure. **✓** If limited to maximum allowance of 1 1/2 ins. per 100 ft. **✓**

Mean actual sheer aft =
Mean standard sheer aft = } **no sheer.**
Mean actual sheer forward =
Mean standard sheer forward =
Length of enclosed superstructure forward of amidships = } **does not**
" " aft of " = } **apply.**

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 9.53 Summer freeboard = .96 Moulded draught (d) = 8.57 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) = ✓	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 277$ Tons per inch immersion at summer load water line $T = 3.26$ Deduction = $\frac{\Delta}{40T}$ inches = 2.12 = 2"	TABULAR FREEBOARD corrected for Fresh Deck (if required) Correction for coefficient $\frac{.694 + .68}{1.36} = \frac{1.374}{1.36}$ Depth Correction 2.58 Deduction for superstructures - 4.39 Sheer correction 4.54 Round of Beam correction61 Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard = 11.45
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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	Tropical Fresh Water Freeboard	...
Fresh Water Line	not assigned	Fresh Water	...
Tropical Line	not assigned	Tropical	...
Winter Line below	not assigned	Winter	...
Winter North Atlantic Line	not assigned	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 COASTAL SERVICES - LIMITS TO BE DEFINED.

Names of sister ships "VIC 93" under Richard Dunston, Ltd. Thame. Yard No 575.

Builder's name and yard number " " " " " " " 577.

Owners MINISTRY OF WAR TRANSPORT

Fee £ 4-0-0



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Foundation