

AMENDED.
T.O. CLOSED.
LLOYD'S REGISTER OF SHIPPING
UNITED WITH THE BRITISH CORPORATION REGISTER
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No. _____
(For London Office only.)

Ship's Name CAPE HAWKE.	Official Number 168672	Nationality and Port of Registry BRITISH GLASGOW.	Gross Tonnage	Date of Build 1940	Port of Survey _____
Moulded Dimensions: Length 425.68 Breadth 66.00 Depth 36.82 .					Date of Survey 16.11.54
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) _____ tons					Surveyor's Signature _____
Coefficient of fineness for use with Tables .754 ESTIMATED.					Particulars of Classification HOOA1.

DEPTH FOR FREEBOARD (D). Moulded depth ... 36.82 Stringer plate8507 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) 36.89	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = (36.89 - 28.34) 3.00 = 25.56" 8.52 (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) 56.00 Standard Round of Beam = $\frac{B \times 12}{50} =$ 13.44 Ship's Round of Beam = 14.00 Difference .56 Restricted to Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$.66 x .9189 = -.13
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DEDUCTION FOR SUPERSTRUCTURES.					Standard Height of Superstructure 4.60'	
	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	" " R.Q.D. _____
Poop enclosed ...						Deduction for complete superstructure 42.00"
" overhang ...						Percentage covered $\frac{S}{L} =$
R.Q.D. enclosed ...						" $\frac{S_1}{L} =$ 8.11
" overhang ...						" $\frac{E}{L} =$
Bridge enclosed ...						Percentage from Table, Line A. 4.05
" overhang aft ...						(corrected for absence of forecastle (if required))
" overhang forward ...						Percentage from Table, Line B.
F'cle enclosed ...	34.50	34.50	7.50		34.60	(corrected for absence of forecastle (if required))
" overhang ...						Interpolation for bridge less than .2L (if required)
Trunk aft ...						Deduction = 42.00 x .0405 = -1.70"
" forward ...						
Tonnage opening aft ...						
" " forward ...						
Total ...	34.50	34.50			34.50	

SHEER CORRECTION.							
Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	52.56	1	52.56	54.75	54.75	1	54.75
$\frac{1}{2}$ L from A.P. ...	23.39	4	93.56	24.40	24.40	4	97.60
$\frac{3}{4}$ L " ...	5.78	2	11.56	6.00	6.00	2	12.00
Amidships ...	✓	4	✓	✓	✓	4	✓
$\frac{3}{4}$ L from F.P. ...	11.56	2	23.12	12.00	12.00	2	24.00
$\frac{1}{2}$ L " ...	46.78	4	187.12	48.00	48.00	4	192.00
F.P. ...	105.12	1	105.12	108.00	108.00	1	108.00
Total ...			473.04				488.35
Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - S}{2L} \right) =$ $\frac{15.31}{18} \left(\frac{.75 - .0405}{.7095} \right) = -.60"$							
If limited on account of midship superstructure. YES. NIL.							

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Ft. Depth to Freeboard Deck = 36.89 Summer freeboard = 10.69 Moulded draught (d) = 26.20 Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6.55 = 6'2" 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 = $\frac{\Delta}{40 T}$ inches = 7"	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient 49.53 + 1.21 PARTIAL. 1.434 1.36 Depth Correction ... 25.56 ✓ Deduction for superstructures ... 1.70 ✓ Sheer correction ... ✓ Round of Beam correction13 ✓ Correction for Thickness of Deck amidships ... Other corrections, scantlings, etc. TO CORRECT TO A SUMMER MOULDED DRAUGHT OF 26'-2 3/8" Summer Freeboard = 128.25
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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	13' 3 1/2"	343.2	Tropical Fresh Water Freeboard	10' - 8 1/4"	3258 Z
Fresh Water Line " "	6' 2 1/2"	178.2	Fresh Water " "	9' - 6 3/4"	2915 Z
Tropical Line " "	6' 2"	165.2	Tropical " "	10' - 1 1/4"	3080 Z
Winter Line below " "	6' 2"	165.2	Winter " "	10' - 1 3/4"	3093 Z
Winter North Atlantic Line " "	✓		Winter North Atlantic " "	11' - 2 3/4"	3723 Z