

AMENDED.

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 FALCON	Official Number	Nationality and Port of Registry PANAMANIAN PANAMA	Gross Tonnage 7132	Date of Build 1943	Port of Survey
Moulded Dimensions: Length 417.35 Breadth 56.90 Depth 37.33 <i>do of Rudder Stock</i>					Date of Survey 6/1/55
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) 16,600 tons					Surveyor's Signature
Coefficient of fineness for use with Tables .771					Particulars of Classification +100A1

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	37.33	(a) Where D is greater than Table depth (D-Table depth) R =		Moulded Breadth (B)	= 56.9'
Stringer plate	.05	(37.38 - 27.82) 3 = +28.68"		Standard Round of Beam = $\frac{B \times 12}{50}$	= 13.66
Sheathing on exposed deck		(b) Where D is less than Table depth (if allowed) (Table depth-D) R =		Ship's Round of Beam	= 14.00
$T \left(\frac{L-S}{L} \right) =$				Difference	.34
Depth for Freeboard (D) =	37.38	If restricted by superstructures	✓	Restricted to	
				Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right)$	= .34

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					

Flush Deck

Standard Height of Superstructure _____

" " R.Q.D. _____

Deduction for complete superstructure _____

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

" " $\frac{S_1}{L} =$ _____

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

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 = **NIL**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	51.73	1	51.73	55.00	55.00	1	55.00		
$\frac{1}{4}L$ from A.P.	23.02	4	92.08	23.25	23.25	4	93.00		
$\frac{3}{4}L$ "	5.69	2	11.38	6.50	6.50	2	13.00		
Amidships	—	4				4			
$\frac{3}{4}L$ from F.P.	11.38	2	22.76	11.63	11.63	2	23.26		
$\frac{1}{4}L$ "	46.04	4	184.16	46.75	46.75	4	187.00		
F.P.	103.47	1	103.47	105.00	105.00	1	105.00		
Total			465.58				476.26		

Mean actual sheer aft = _____

Mean standard sheer aft = _____

Mean actual sheer forward = _____

Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = _____

" " aft of " = _____

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - S}{2L} \right) = \frac{10.68}{2 \times 75} = -.071$

If limited on account of midship superstructure. **No - FLUSH DECK**

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. ✓

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **37.38** Ft.

Summer freeboard = **9.75**

Moulded draught (d) = **27.63**

Keel allowance = _____

Extreme draught = _____

Deduction for Tropical freeboard and addition for _____

Winter freeboard = $\frac{d}{4}$ inches = **6.9127"**

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 = **$7\frac{1}{4}$ "**

TABULAR FREEBOARD corrected for Flush Deck (if required)

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

	+	-
Depth Correction	28.68	—
Deduction for superstructures	—	—
Sheer correction	—	.45
Round of Beam correction	—	.09
Correction for Thickness of Deck amidships	—	—
Other corrections, scantlings, etc.	—	—
28.68	.54	+28.14

Summer Freeboard = **116.92**

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

Tropical Fresh Water Line above Centre of Disc	14.4"	362.4"	Tropical Fresh Water Freeboard	8' - 9"	2972.4"
Fresh Water Line	7.4"	184.4"	Fresh Water	8' - 6.3"	2610.0"
Tropical Line	7"	178"	Tropical	9' - 1.3"	2788.0"
Winter Line below	7"	178"	Winter	9' - 2"	2794.0"
Winter North Atlantic Line	—	—	Winter North Atlantic	10' - 4"	3150.0"