

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name "EMPIRE MOWDACH" EX "PONTOS"	Official Number	Nationality and Port of Registry BRITISH. LONDON.	Gross Tonnage	Date of Build 1935	Port of Survey Hamburg
Moulded Dimensions: Length 363'-2⁵/₁₆" Breadth 44'-7¹/₁₆" Depth 21'-4³/₄"					Date of Survey May 1947
Moulded displacement at moulded draught = 85 per cent. of moulded depth 7966 tons					Surveyor's Signature R. E. Pritchard
Coefficient of fineness for use with Tables.....					Particulars of Classification Contemplated 100 ft with freeboard

DEPTH FOR FREEBOARD (D). 21.40 Moulded depth 21'-4³/₄" Stringer plate -36" Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 21.43	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = (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) 44'-7¹/₁₆" Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = 10⁵/₈" Difference Restricted to Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure
" overhang						" " R.Q.D.
R.Q.D. enclosed						Deduction for complete superstructure
" overhang	<i>Complete</i>					Percentage covered $\frac{S}{L} =$
Bridge enclosed						" " $\frac{S_1}{L} =$
" overhang aft						" " $\frac{E}{L} =$
" overhang forward	<i>Super-structure</i>		7'-3³/₄"			Percentage from Table, Line A. (corrected for absence of forecastle (if required))
Fore enclosed						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang	<i>deck</i>					Interpolation for bridge less than .2L (if required)
Trunk aft						Deduction =
" forward						
Tonnage opening aft						
" " forward						
Total	363'-2⁵/₁₆"					

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1		2'-3⁷/₁₆"		1	
$\frac{1}{8}$ L from A.P.		4		7¹/₈"		4	
$\frac{2}{8}$ L "		2		✓		2	
Amidships		4		✓		4	
$\frac{2}{8}$ L from F.P.		2		✓		2	
$\frac{1}{8}$ L "		4		11⁷/₈"		4	
F.P.		1		4'-11³/₄"		1	
Total							

Mean actual sheer aft =
Mean standard sheer aft =

Mean actual sheer forward =
Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =
L

" " aft of " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$
If limited on account of midship superstructure.

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 = Ft. Summer freeboard = Moulded draught (d) = Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 5822$ Tons per inch immersion at summer load water line $T = 32.3$ Deduction = $\frac{\Delta}{40 T}$ inches =	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient Depth Correction Deduction for superstructures Sheer correction Round of Beam correction Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard =
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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	Tropical Fresh Water Freeboard
Fresh Water Line " "	Fresh Water " "
Tropical Line " "	Tropical " "
Winter Line below " "	Winter " "
Winter North Atlantic Line " "	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 Fruit carrying - (Cameroons)

Names of sister ships ✓

Builder's name and yard number Bremer Vulkan No 76.1

Owners Elder & Lyffer, Ltd.

Fee £ 28 . 0 . 0

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