

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

Index. No.
(For London Office only).

Ship's Name E550 JAMAICA E550 SOUTHAMPTON	Official Number	Nationality and Port of Registry PANAMA	Gross Tonnage 23457	Date of Build 1958	Port of Survey
Moulded Dimensions: Length 660' Breadth 90.0' Depth 47.0					Date of Survey 18TH OCT. 1962
Moulded displacement at moulded draught = 85 per cent. of moulded depth: 53,701 tons					Surveyor's Signature
Coefficient of fineness for use with Tables .792					Particulars of Classification + 100A1 OIL TANKER

Depth for Freeboard (D). Moulded depth 47.0 Stringer plate112 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 47.11	Depth correction. (a) Where D is greater than Table depth (D—Table depth) R= +9.33 (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) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = Difference Restricted to Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) =$ -.06
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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						Percentage covered $\frac{S}{L} =$
Bridge enclosed						" " $\frac{S_1}{L} =$
" overhang aft						" " $\frac{E}{L} =$
" overhang forward						Percentage from Table, Line A. (corrected for absence of forecastle (if required))
P'cle enclosed						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang						Interpolation for bridge less than .2L (if required)
Trunk aft						Deduction = -14.28
" forward						
Tonnage opening aft ...						
" " forward						
Total						

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.		1				1	
1/4L from A.P.		4				4	
1/4L "		2				2	
Amidships		4				4	
1/4L from F.P.		2				2	
1/4L "		4				4	
F.P.		1				1	
Total							

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ **+15.05"**
If limited on account of midship superstructure. If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 47.11 Summer freeboard = 11.42 Moulded draught (d) = 35.69 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 8.92 = 9" Addition for Winter North Atlantic Freeboard (if required) = 8.92 + 6.60 = 15.52 = 15 1/2"	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ NOT AVAILABLE Tons per inch immersion at summer load water line $T =$ NOT AVAILABLE Deduction = $\frac{\Delta}{40T}$ inches AS PREVIOUSLY 9 3/4"	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient. $\frac{1.472}{1.36}$ Depth Correction 9.33 - Deduction for superstructures - 14.28 Sheer correction 15.05 - Round of Beam correction - .06 Correction for Thickness of Deck amidships - Other corrections, scantlings, etc. - 24.38 14.34 + 10.04 Summer Freeboard = 137.00
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Weld Steel, Deck:—							
Tropical Fresh Water Line above Centre of Disc	...	18 3/4	477	Tropical Fresh Water Freeboard	9 1/4	10 1/4	3003
Fresh Water Line	"	9 3/4	248	Fresh Water	10 1/4	7 1/4	3232
Tropical Line	"	9	229	Tropical	10 1/4	8	3251
Winter Line below	"	9	229	Winter	12 1/2	3	3709
Winter North Atlantic Line	"	15 1/2	394	Winter North Atlantic	12 1/2	8 1/2	3874