

Amended with 1966 tabular freeboard

Rpt. C.11 (Comp.)

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

(COMPUTATION FOR ~~STEAMER~~ ^{TYPE A} SAILING SHIP, TANKER)

For LONDON OFFICE ONLY

Received
Index No.
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Owners C11

Ship's Name NAESS VENTURER	Official Number 799	Nationality and Port of Registry LIBERIAN MONROVIA	Gross Tonnage 14000	Date of Build AUGUST 1958	Port of Survey LONDON H.O.
Moulded Dimensions: Length 28.4004 Breadth 14.031 Depth 14.031 Freeboard Length 197.034 (TO Q OF RUBBER STOCK) Moulded displacement at moulded draught = 85 per cent. of moulded depth 49300 tons (excluding bossing) Coefficient of fineness for use with Tables .990					Date of Survey 29/9 - 1966
Surveyor's Signature Todd/ Jim Jensen					Particulars of Classification 4100A1 C.P.I.B.

DEPTH FOR FREEBOARD (D). Moulded depth 14.000 Stringer plate031 Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 14.031	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = + 224 mm (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 = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_i}{L} \right) =$ -3
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DEDUCTION FOR SUPERSTRUCTURES.						Standard Height of Superstructure 2300 mm	
	Mean Covered Length (S)	Equivalent Enclosed Length (S _i)	Height	Height Correction	Effective Length (E)	" " R.Q.D. —	
Poop enclosed	42.402	42.402	2.64	—	42.402	Deduction for complete superstructure 1070 mm	
" overhang						Percentage covered $\frac{S}{L} =$ 41.07	
R.Q.D. enclosed						" " $\frac{S_i}{L} =$ 40.93	
" overhang						Percentage from Table, Line A, TYPE A 31.93	
Bridge enclosed	12.871	12.578	2.64		12.578	(corrected for absence of forecastle (if required))	
" overhang aft						Percentage from Table, Line B.	
" overhang forward						(corrected for absence of forecastle (if required))	
F'cle enclosed	25.644	25.644	2.64		25.644	Interpolation for bridge less than .2L (if required)	
" overhang						Deduction = 1070 x .3193 = - 342 mm	
Trunk aft							
" forward							
Tonnage opening aft							
" " forward							
Total	80.917	80.624			80.624		

SHEER CORRECTION.								allowance for excess ht.	
Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	M	Product	
A.P.		1			472	472	1	472	Mean actual sheer aft
1/4 L from A.P.		4			33	33	4	132	Mean standard sheer aft Ref. poop: 793 x 42.402 = 59 mm
1/2 L "		2			—	—	2	—	
Amidships	O	4	O	O	O	O	4	O	Mean actual sheer forward Ref.
3/4 L from F.P.		2			—	—	2	—	Mean standard sheer forward Ref.
1/4 L "		4			60	60	4	240	Length of enclosed superstructure forward of amidships =
F.P.		1			1930	1930	1	1930	L aft of " = Ref. sheer.
Total				17053				2774	
Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{(14.274 - 70)}{18} \left(.75 - \frac{20.535}{28.4004} \right) = + 393$								If limited to maximum allowance of 1 1/2 ins. per 100ft.	
If limited on account of midship superstructure.									

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 14.031 Summer freeboard = 3.068 Moulded draught (d) = 10.970 Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for = 9.00 Winter freeboard = $\frac{d}{48} \text{ inches} = 228 \frac{1}{2} \text{ } 9'$ Addition for Winter North Atlantic Freeboard (if required) = 228.5 + 164 = 392.5 = 15 1/2'	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta = 45130 \text{ mt.}$ Tons per inch immersion at summer load water line $T = 114.59$ Deduction = $\frac{\Delta}{40 T} \text{ inches} = 9.84 = 9 \frac{3}{4}'$	TABULAR FREEBOARD corrected for Flush Deck (if required) 2582 mm Correction for coefficient 149/1.36 2791 Depth Correction 224 Deduction for superstructures 342 Sheer correction 393 Round of Beam correction 3 Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard = 3063 mm
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SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Went. Steel, Deck :-			
Tropical Fresh Water Line above Centre of Disc	18 3/4'	Tropical Fresh Water Freeboard	10' - 0 1/2'
Fresh Water Line " "	9 3/4'	Fresh Water	8' - 5 3/4'
Tropical Line " "	9'	Tropical	9' - 2 3/4'
Winter Line below " "	9'	Winter	10' - 9 1/2'
Winter North Atlantic Line " "	15 1/2'	Winter North Atlantic	11' - 4'

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.

*No empty tanks in fully loaded condition
Heeling & trimming not required*

*29/9/66
G.*

Trade of Ship.....

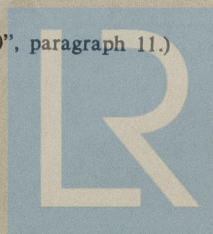
Names of sister ships.....

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

Owners.....

Fee £.....:.....:.....

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950", paragraph 11.)



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