

ALTERATION FROM TANKER

Rpt. C.11 (Comp.)

PRELIMINARY

LLOYD'S REGISTER OF SHIPPING
SURVEYS FOR FREEBOARD
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

For LONDON OFFICE ONLY

Received
Index No.
Govt. Copy
Owners C11

Ship's Name "ELIAS" or "GALLIA"	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
Moulded Dimensions: Length <u>496.25</u> Breadth <u>67.00</u> Depth <u>34.15</u>				
Freeboard Length <u>496.25</u>				
Moulded displacement at moulded draught = 85 per cent. of moulded depth <u>21040</u> tons (excluding bossing)				
Coefficient of fineness for use with Tables <u>.763</u>				

Port of Survey

Date of Survey 3.9.59

Surveyor's Signature

Particulars of Classification 100A1
(Container vessel)

DEPTH FOR FREEBOARD (D).

Moulded depth 34.15

Stringer plate07

Wood Sheathing on exposed deck

$T \left(\frac{L-S}{L} \right) =$

Depth for Freeboard (D) = 34.22

DEPTH CORRECTION.

(a) Where D is greater than Table depth (D-Table depth) R = 3.42

(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) 67

Standard Round of Beam = $\frac{B \times 12}{50} = 16.08$

Ship's Round of Beam = 16.14

Difference .06

Restricted to

Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.06^2}{4} \times 5805 = .01$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	123.12	123.12			123.12
" overhang	2.39	1.19			1.19
R.Q.D. enclosed					
" overhang					
Bridge enclosed	38.32	38.32	7.25	7.25	37.04
" overhang aft	2.39	1.79			1.73
" overhang forward	.66	.33			.32
F'cle enclosed	43.44	43.44			43.44
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	210.32	208.19			206.84

Standard Height of Superstructure 7.5

" " R.Q.D. 42.00

Deduction for complete superstructure

Percentage covered $\frac{S}{L} = 42.38$

" " $\frac{S_1}{L} = 41.95$

" " $\frac{E}{L} = 41.68$

Percentage from Table, Line A. 24.92
(corrected for absence of forecastle (if required))

Percentage from Table, Line B. 28.92
(corrected for absence of forecastle (if required))

Interpolation for bridge less than .2L (if required) 24.92 + 4 = 28.92

Deduction = $.2650 \times 42.00 = 11.13$

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	59.62	1				1	
$\frac{1}{4}L$ from A.P.		4				4	
$\frac{3}{4}L$		2				2	
Amidships	0	4	0	0	0	4	0
$\frac{3}{4}L$ from F.P.		2				2	
$\frac{1}{4}L$		4				4	
F.P.		1				1	
Total			536.59				533.38

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 = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{3.21}{18} \times (.75 - .2119) = .01$

If limited on account of midship superstructure.

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

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 34.22 Ft.

Summer freeboard = 8.31

Moulded draught (d) = 25.91

Keel allowance =

Extreme draught =

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

$\Delta =$

Tons per inch immersion at summer load water line

T =

Deduction = $\frac{\Delta}{40 T}$ inches

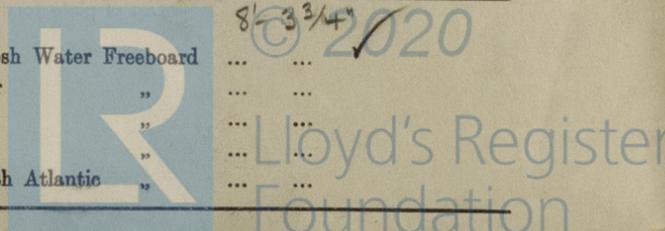
TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient $\frac{1.443}{1.36}$

+	-
Depth Correction	3.42
Deduction for superstructures	11.13
Sheer correction	.01
Round of Beam correction	.01
Correction for Thickness of Deck amidships	
Other corrections, scantlings, etc.	
	3.43
	11.14
	-7.71
Summer Freeboard	99.65

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

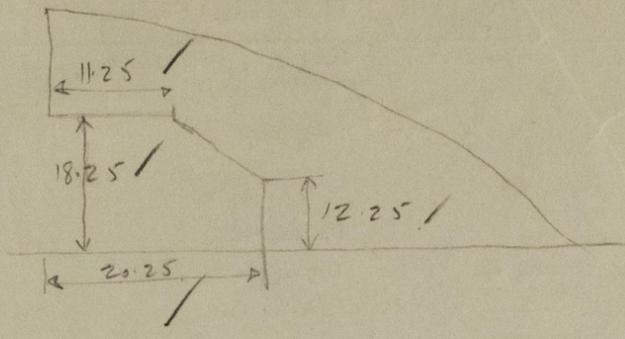
Tropical Fresh Water Line above Centre of Disc	...	Tropical Fresh Water Freeboard	...
Fresh Water Line	"	Fresh Water	"
Tropical Line	"	Tropical	"
Winter Line below	"	Winter	"
Winter North Atlantic Line	"	Winter North Atlantic	"



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.

Forecastle

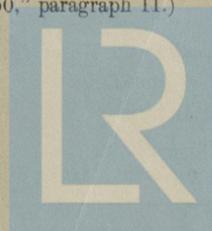
length at side 56.13
 $18.25 \times 11.25 + 15.25 \times 9.00 = 12.69$
 27. Equiv. $\frac{43.44}{27}$



705.3
 137.25
 342.55

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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