

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index. No. 40175
(For London Office only).

20 MAY 1949

SISTER VESSEL
"LAURA" 40173.

Ship's Name <u>"Linda"</u> <u>ex L.S.T. 200</u>	Official Number	Nationality and Port of Registry <u>Venezuelan</u> <u>Maracaibo</u> <u>(intended)</u>	Gross Tonnage	Date of Build <u>1943</u>	Port of Survey <u>New York</u>
Moulded Dimensions: Length <u>309.0</u> ✓ Breadth <u>50.0</u> ✓ Depth <u>25.02</u> ✓					Date of Survey <u>7th Jan. 1949</u>
Moulded displacement at moulded draught = 85 per cent. of moulded depth: <u>8100</u> ✓ tons					Surveyor's Signature <u>J. Load</u>
Coefficient of fineness for use with Tables: <u>.863</u> ✓					Particulars of Classification <u>A1</u> <u>For service between with freeboard.</u> <u>Caracas and Maracaibo Gulf and Lakes.</u>

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth ... <u>25.02</u>	(a) Where D is greater than Table depth (D—Table depth) R=	Moulded Breadth (B) <u>50.0</u> ✓
Stringer plate ... <u>3/8</u> ... <u>.03</u>	<u>(25.05 - 20.00) 2.377 = +10.558</u>	Standard Round of Beam = $\frac{B \times 12}{50} =$ <u>12.00</u> ✓
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	(b) Where D is less than Table depth (if allowed) (Table depth—D) R=	Ship's Round of Beam = <u>nil</u>
Depth for Freeboard (D) = <u>25.05</u> ✓	If restricted by superstructures	Difference <u>-12.00</u> ✓
		Restricted to
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{12.00}{4} = +3.00$ ✓

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 ...					

no superstructures

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. ...	<u>40.90</u>	1	<u>40.90</u>	<u>34.75</u>	<u>40.90</u>	1	<u>40.90</u>
1/4 L from A.P. ...	<u>18.20</u>	4	<u>72.80</u>	<u>24.88</u>	<u>18.20</u>	4	<u>72.80</u>
1/4 L " ...	<u>4.50</u>	2	<u>9.00</u>	<u>12.75</u>	<u>4.50</u>	2	<u>9.00</u>
Amidships ...	<u>—</u>	4	<u>—</u>	<u>—</u>	<u>—</u>	4	<u>—</u>
1/4 L from F.P. ...	<u>9.00</u>	2	<u>18.00</u>	<u>-12.13</u>	<u>-12.13</u>	2	<u>-24.26</u>
1/4 L " ...	<u>36.40</u>	4	<u>145.60</u>	<u>-12.63</u>	<u>-12.63</u>	4	<u>-50.52</u>
F.P. ...	<u>81.80</u>	1	<u>81.80</u>	<u>58.13</u>	<u>58.13</u>	1	<u>58.13</u>
Total ...			<u>368.10</u>				<u>106.05</u>

$$\text{Correction} = \frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{262.05}{18} \times .75 = +10.92$$

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 = 25.05 ✓Summer freeboard = 9.54 ✓Moulded draught (d) = 15.51 ✓

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = 4" ✓Addition for Winter North Atlantic Freeboard (if required) = Not assigned ✓

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 = $\frac{\Delta}{40T}$ inches= 4 1/4" ✓

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. correspondingto a moulded summer draught of 15'6"Summer Freeboard = 114.50 ✓SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:Tropical Fresh Water Line above Centre of Disc ... 8 1/4" ✓Fresh Water Line " " ... 4 1/4" ✓Tropical Line " " ... 4" ✓Winter Line below " " Not assignedWinter North Atlantic Line " " Not assigned

Tropical Fresh Water Freeboard ...

Fresh Water " " ...

Tropical " " ...

Winter " " ...

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 *For service between Curacao and Maracaibo Gulf and Lakes.*

Names of sister ships *'Lidia', 'Leoni', 'Luica', 'Laura', 'Luiza'*

Builder's name and yard number *Chicago Bridge & Ironworks.*

Owners *Shell Caribbean Petroleum Co*

Fee *8* / 100 -

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Foundation