

TIMBER

Pat. C.11 (Comp.)

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received
Index No.
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Owners C11

| | | | | | |
|---|--|---|---------------|---------------|---|
| Ship's Name ADELPHOTIS II EX VENUS | Official Number | Nationality and Port of Registry LIBERIA MONROVIA | Gross Tonnage | Date of Build | Port of Survey |
| Moulded Dimensions: Length 349.25' Breadth 50.00' Depth 25.75' | Date of Survey 31/12/57 | | | | Surveyor's Signature [Signature] |
| Freeboard Length 349.25' | Moulded displacement at moulded draught = 85 per cent. of moulded depth 8481 tons | | | | Particulars of Classification B. S. X. |
| Coefficient of fineness for use with Tables .777 | | | | | |

| | | |
|--|---|---|
| DEPTH FOR FREEBOARD (D). Moulded depth ... 25.75 Stringer plate03 Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 25.78 | DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = + 6.72" (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 = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ - .06" |
|--|---|---|

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 | | | | | |
| Fore enclosed | | | | | |
| " overhang | | | | | |
| Trunk aft | | | | | |
| " forward | | | | | |
| Tonnage opening aft | | | | | |
| " forward | | | | | |
| Total | 185.77 | 185.77 | | | 185.77 |

Standard Height of Superstructure _____
 " " R.Q.D. _____
 Deduction for complete superstructure **38.62**
 Percentage covered $\frac{S}{L} =$ **52.91**
 " " $\frac{S_1}{L} =$
 " " $\frac{E}{L} =$
 Percentage from Table, Line A. **TIMBER 71.07**
 (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 = **.7107 x 38.62 = 27.45"**

SHEER CORRECTION.

| Station | Standard Ordinate | S | M | Product | Actual Ordinate | Effective Ordinate | S | M | Product |
|--------------------------|-------------------|---|---|---------|-----------------|--------------------|---|---|---------|
| A.P. | | 1 | | | | | 1 | | |
| $\frac{1}{4}L$ from A.P. | | 4 | | | | | 4 | | |
| $\frac{2}{4}L$ | | 2 | | | | | 2 | | |
| Amidships | O | 4 | O | O | O | O | 4 | O | O |
| $\frac{2}{4}L$ from F.P. | | 2 | | | | | 2 | | |
| $\frac{1}{4}L$ | | 4 | | | | | 4 | | |
| F.P. | | 1 | | | | | 1 | | |
| Total | | | | | | | | | |

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) =$ **- 1.74"**
 If limited on account of midship superstructure.
 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 " =
 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 = 25.78 TIMBER Summer freeboard = 2.31 TIMBER Moulded draught (d) = 23.47 Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for = 5.87 = 5$\frac{3}{4}$" ADDITION FOR TIMBER Winter freeboard = $\frac{d}{34}$ inches = 7.82 = 7$\frac{3}{4}$" TIMBER Addition for Winter North Atlantic Freeboard (if required) = 5$\frac{1}{2}$" | 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 = 5$\frac{1}{2}$" | TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient 1.457/1.36 <table border="1"> <thead> <tr> <th></th> <th>+</th> <th>-</th> </tr> </thead> <tbody> <tr><td>Depth Correction</td><td>6.72</td><td></td></tr> <tr><td>Deduction for superstructures</td><td></td><td>27.45</td></tr> <tr><td>Sheer correction</td><td></td><td>1.74</td></tr> <tr><td>Round of Beam correction</td><td></td><td>.06</td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td></td><td></td></tr> <tr><td>Other corrections, scantlings, etc.</td><td></td><td></td></tr> <tr><td>6.72</td><td>29.25</td><td>- 22.53</td></tr> </tbody> </table> Summer Freeboard = 37.77" | | + | - | Depth Correction | 6.72 | | Deduction for superstructures | | 27.45 | Sheer correction | | 1.74 | Round of Beam correction | | .06 | Correction for Thickness of Deck amidships | | | Other corrections, scantlings, etc. | | | 6.72 | 29.25 | - 22.53 |
|--|---|--|--|---|---|------------------|-------------|--|-------------------------------|--|--------------|------------------|--|-------------|--------------------------|--|------------|--|--|--|-------------------------------------|--|--|-------------|--------------|----------------|
| | + | - | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth Correction | 6.72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deduction for superstructures | | 27.45 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sheer correction | | 1.74 | | | | | | | | | | | | | | | | | | | | | | | | |
| Round of Beam correction | | .06 | | | | | | | | | | | | | | | | | | | | | | | | |
| Correction for Thickness of Deck amidships | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other corrections, scantlings, etc. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.72 | 29.25 | - 22.53 | | | | | | | | | | | | | | | | | | | | | | | | |

TIMBER SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, **Weld**, Steel, Deck :-

| | TIMBER | TIMBER |
|---|------------------------------------|------------------------------------|
| GERMANISCHER LLOYD Tropical Fresh Water Line above Centre of Disc | 24" | 24" |
| " Fresh Water Line | 18$\frac{1}{2}$" | 18$\frac{1}{2}$" |
| " Tropical Line | 18" | 18" |
| " Winter Line | 5" | 5" |
| " Winter North Atlantic Line | 5$\frac{1}{2}$" | 5$\frac{1}{2}$" |
| REASSIGNED | below | below |
| 13.1.58 | SUMMER | ABOVE |

5m.6.56. T. **12 $\frac{1}{2}$ "** **003474-003478-0119**