

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

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

32102
29 DEC 1941

Ship's Name **EX MONTE PIANA** Official Number **174207** Nationality and Port of Registry **BRITISH ADEN** Gross Tonnage **5889.97** Date of Build **1926**

Port of Survey **DUNDEE**

Date of Survey **23RD 24TH, 25TH DECEMBER 1941.**

Surveyor's Signature **R.D. Campbell**

Particulars of Classification **+ 100 A.1.**

Dimensions: Length **400.0** Breadth **53.0** Depth **27.83**

Displacement at moulded draught = 85 per cent. of moulded depth _____ tons

Stowage for use with Tables **-775 (estimated)**

Depth correction.

(a) Where D is greater than Table depth
(D - Table depth) R = $(27.86 - 26.67) \times 3 = + 3.57$

(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) **53'**

Standard Round of Beam = $\frac{B \times 12}{50} = 12.72$

Ship's Round of Beam = **12.55**

Difference **.17**

Restricted to _____

Correction = $\frac{\text{Diff}^*}{4} \times (1 - \frac{S_1}{L}) = \frac{.17}{4} \times \frac{1526}{400} = +.01$

DEDUCTION FOR SUPERSTRUCTURES.

| Mean Covered Length (S) | Equivalent Enclosed Length (S ₁) | Height | Height Correction | Effective Length (E) |
|-------------------------|--|--------|-------------------|----------------------|
| 34.25 | 34.25 | 8'-0" | - | 34.25 |
| 258.44 | 258.44 | 8'-0" | - | 258.44 |
| 2.125 | 1.06 | - | - | 1.06 |
| 44.37 | 44.37 | 8'-0" | - | 44.37 |
| 1.66 | .83 | - | - | .83 |
| 340.84 | 338.95 | | | 338.95 |

Standard Height of Superstructure **7.5'**

" " R.Q.D. **42'**

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L} = 85.22$

" " $\frac{S_1}{L} = 84.74$

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

Percentage from Table, Line A. _____

(corrected for absence of forecastle (if required))

Percentage from Table, Line B. **81.18**

(corrected for absence of forecastle (if required))

Interpolation for bridge less than 2L (if required) _____

Deduction = $42 \times 81.18 = 34.09$

SHEER CORRECTION.

| Standard Ordinate | S | Product | Actual Ordinate | Effective Ordinate | S | Product |
|-------------------|---|---------|-----------------|--------------------|---|---------|
| 50.00 | 1 | 50.00 | 74.45 | 74.45 | 1 | 74.45 |
| 22.25 | 4 | 89.00 | 34.00 | 34.00 | 4 | 136.00 |
| 5.50 | 2 | 11.00 | 8.25 | 8.25 | 2 | 16.50 |
| - | 4 | - | - | - | 4 | - |
| 11.00 | 2 | 22.00 | 14.80 | 14.80 | 2 | 29.60 |
| 44.50 | 4 | 178.00 | 56.10 | 56.10 | 4 | 224.40 |
| 100.00 | 1 | 100.00 | 124.81 | 124.81 | 1 | 124.81 |
| | | 450.00 | | | | 605.76 |

Mean actual sheer aft = _____

Mean standard sheer aft = _____

Mean actual sheer forward = _____

Mean standard sheer forward = _____

Length of enclosed superstructure forward of amidships = **2.1**

" " aft of " = **2.1**

Difference between sums of products $\left(\frac{75}{18} \times \frac{S}{2L} \right) = \frac{155.76}{18} (75 - 32.39) = -2.80$

on account of midship superstructure. **No**

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft. **No.**

for Tropical Freeboard.

for Winter and Winter North Freeboard.

Freeboard Deck = **27.86**

Freeboard = **3.60**

Moulded draught (d) = **24.26**

Tropical freeboard and addition for Freeboard = $\frac{d}{4}$ inches = **6.06 = 6"**

Winter North Atlantic Freeboard (if _____)

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 = **6 3/4"**

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient $\frac{775 + 68}{1.36} = \frac{1.455}{1.36} =$

| | + | - |
|--|------|-------|
| Depth Correction | 3.57 | - |
| Deduction for superstructures | - | 34.09 |
| Sheer correction | - | 2.80 |
| Round of Beam correction | .01 | - |
| Correction for Thickness of Deck amidships | - | - |
| Other corrections, scantlings, etc. | - | - |
| | 3.58 | 36.89 |

Summer Freeboard = **43.19**

WINTER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

| | | | |
|--|---------|--------------------------------|----------|
| Tropical Fresh Water Line above Centre of Disc | 12 3/4" | Tropical Fresh Water Freeboard | 2-6 1/2" |
| Fresh Water Line | 6 3/4" | Fresh Water | 3-0 1/2" |
| Tropical Line | 6" | Tropical | 3-1 1/4" |
| Winter Line below | 6" | Winter | 4-1 1/4" |
| Winter North Atlantic Line | - | Winter North Atlantic | - |

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Lloyd's Register Foundation

19/1/42

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

General

Names of sister ships

✓

Builder's name and yard number

Bank. Nav. Triestino

Owners

Ministry of War Transport.

Fee g 16-0-0.



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