

FLUSH DECK
(ACTUAL ERECTIONS)

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Index No. _____
(For London Office only.)

| | | | | | |
|--|-----------------|----------------------------------|---------------|---------------|--|
| Ship's Name TSUKUSHI MARU | Official Number | Nationality and Port of Registry | Gross Tonnage | Date of Build | Port of Survey _____ |
| Moulded Dimensions: Length 452.0 Breadth 59.06 Depth 33.35 | | | | | Date of Survey 9-1-52 |
| Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) _____ tons | | | | | Surveyor's Signature _____ |
| Coefficient of fineness for use with Tables assumed .68 | | | | | Particulars of Classification 100A1 conformable |

| DEPTH FOR FREEBOARD (D). | DEPTH CORRECTION. | ROUND OF BEAM CORRECTION. |
|---|--|--|
| Moulded depth 33.35 | (a) Where D is greater than Table depth (D-Table depth) R = (33.41-30.13) 3 = +9.84" | Moulded Breadth (B) _____ |
| Stringer plate06 | (b) Where D is less than Table depth (if allowed) (Table depth-D) R = 1.25 | Standard Round of Beam = $\frac{B \times 12}{50} =$ _____ |
| Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____ | If restricted by superstructures <input checked="" type="checkbox"/> | Ship's Round of Beam = _____ |
| Depth for Freeboard (D) = 33.41 | | Difference STANDARD. |
| | | Restricted to _____ |
| | | Correction = $\frac{\text{Diff}^\circ}{4} \times \left(1 - \frac{S_1}{L} \right) =$ NIL. |

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 main | 67.0 | 67.0 | 8.0 | | 67.0 |
| " overhang | | | | | |
| Trunk aft | | | | | |
| " forward | | | | | |
| Tonnage opening aft | | | | | |
| " " forward | | | | | |
| Total | 67.0 | 67.0 | | | 67.0 |

Standard Height of Superstructure **7.5** ✓

" " R.Q.D. **✓**

Deduction for complete superstructure **42.00**

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

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

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

Percentage from Table, Line A. **7.4%**

(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 = **42.00 × 0.074% = - 3.1%** ✓

SHEER CORRECTION.

| Station | Standard Ordinate | S M | Product | Actual Ordinate | Effective Ordinate | S M | Product |
|---------------------------------|-------------------|-----|---------|-----------------|--------------------|-----|---------|
| A.P. | | 1 | | | | 1 | |
| $\frac{1}{8}L$ from A.P. | | 4 | | | | 4 | |
| $\frac{2}{8}L$ " | | 2 | | | | 2 | |
| Amidships | | 4 | | | | 4 | |
| $\frac{2}{8}L$ from F.P. | | 2 | | | | 2 | |
| $\frac{1}{8}L$ " | | 4 | | | | 4 | |
| F.P. | | 1 | | | | 1 | |
| Total | | | | | | | |

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

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 " = _____

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **33.36** Ft.

Summer freeboard = **7.88**

Moulded draught (d) = **25.50**

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

Depth Correction **9.84** ✓

Deduction for superstructures **3.1%** ✓

Sheer correction ✓

Round of Beam correction ✓

Correction for Thickness of Deck amidships ✓

Other corrections, scantlings, etc. ✓

Summer Freeboard = **93.56**

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 " " |

