

FLUSH DECK. (Scantlings)

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name TSUKUSHI MARU	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey _____
Moulded Dimensions: Length 45²4.0 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 contemplative

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 - 30.15 = 3.26	Moulded Breadth (B) _____
Stringer plate06	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = _____	Standard Round of Beam = $\frac{B \times 12}{50} =$ _____
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ _____	If restricted by superstructures _____	Ship's Round of Beam _____
Depth for Freeboard (D) = 33.41		Difference STANDARD.
		Restricted to _____
		Correction = $\frac{\text{Diff}^c}{4} \times \left(1 - \frac{S_1}{L} \right) = \text{NIL}$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure 7.5
" overhang						" " R.Q.D. <input checked="" type="checkbox"/>
R.Q.D. enclosed						Deduction for complete superstructure 42.00
" overhang						Percentage covered $\frac{S}{L} =$ _____
Bridge enclosed						" " $\frac{S_1}{L} =$ _____
" overhang aft						" " $\frac{E}{L} =$ _____
" overhang forward						Percentage from Table, Line A. (corrected for absence of forecastle (if required))
F'cle enclosed						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
" overhang						Interpolation for bridge less than .2L (if required)
Trunk aft						Deduction = NIL.
" forward						
Tonnage opening aft						
" " forward						
Total						

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	
$\frac{3}{8}L$ from F.P.		2				2	
$\frac{4}{8}L$ "		4				4	
F.P.		1				1	
Total							

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

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 = **33.41**
Summer freeboard = **8.12**
Moulded draught = **25.29**
Keel allowance = **2.0**
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 **NIL.**

	+	-
Depth Correction	9.84	
Deduction for superstructures		<input checked="" type="checkbox"/>
Sheer correction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Round of Beam correction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correction for Thickness of Deck amidships	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other corrections, scantlings, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	9.84	

Summer Freeboard = **97.56**

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 " "

Jan 25.3

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.

10-150
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Trade of ship _____

Names of sister ships _____

Builder's name and yard number _____

Owners _____

Fee £ _____



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Foundation