

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 454.0 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)					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 = $\frac{\text{Diff}^c}{4} \times \left(1 - \frac{S_1}{L} \right) = \text{NIL}$

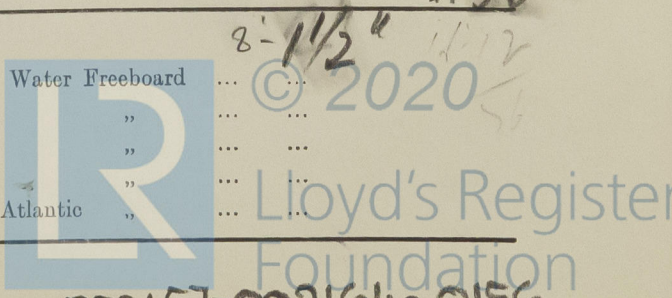
DEDUCTION FOR SUPERSTRUCTURES.					Standard Height of Superstructure 7.5
Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	" " R.Q.D. <input checked="" type="checkbox"/>
Poop enclosed ...					Deduction for complete superstructure 42.00
" overhang ...					Percentage covered $\frac{S}{L} =$
R.Q.D. enclosed ...					" " $\frac{S_1}{L} =$
" overhang ...					" " $\frac{E}{L} =$
Bridge enclosed ...					Percentage from Table, Line A.
" overhang aft ...					(corrected for absence of forecastle (if required))
" overhang forward ...					Percentage from Table, Line B.
F'cle enclosed ...					(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	
$\frac{1}{4}L$ from A.P. ...		4				4	
$\frac{2}{4}L$ " ...		2				2	
Amidships ...		4				4	
$\frac{3}{4}L$ from F.P. ...		2				2	
$\frac{1}{4}L$ " ...		4				4	
F.P. ...		1				1	
Total ...							
Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \text{NIL}$							
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.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Depth to Freeboard Deck = 33.41	Displacement in salt water at summer load water line	Correction for coefficient NIL.
Summer freeboard = 8.12	$\Delta =$	Depth Correction ... 9.84
Moulded draught <input checked="" type="checkbox"/> = 25.29	Tons per inch immersion at summer load water line	Deduction for superstructures ... <input checked="" type="checkbox"/>
Keel allowance = 2.6	T =	Sheer correction ... <input checked="" type="checkbox"/>
Extreme draught	Deduction = $\frac{\Delta}{40 T}$ inches	Round of Beam correction ... <input checked="" type="checkbox"/>
Deduction for Tropical Freeboard and addition for		Correction for Thickness of Deck amidships ... <input checked="" type="checkbox"/>
Winter freeboard = $\frac{d}{4}$ inches =		Other corrections, scantlings, etc. ... <input checked="" type="checkbox"/>
Addition for Winter North Atlantic Freeboard (if required) =		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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