

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received 111 JUL 1955
 Index No.
 Govt. Copy
 Owners C11

Ship's Name TRANQUE BAR	Official Number	Nationality and Port of Registry Danish Copenhagen	Gross Tonnage	Date of Build	Port of Survey <input checked="" type="checkbox"/> Date of Survey <input checked="" type="checkbox"/> Surveyor's Signature <input checked="" type="checkbox"/> Particulars of Classification <input checked="" type="checkbox"/>
Moulded Dimensions: Length 135,331 m Breadth 18,898 m Depth 11,582 m Freeboard Length Moulded displacement at moulded draught = 65 per cent. of moulded depth 15199 metric tons in S.W. (excluding bossing) 8,686 m mld depth Coefficient of fineness for use with Tables					

DEPTH FOR FREEBOARD (D). Moulded depth 11582 Stringer plate 20 Wood Sheathing on exposed deck <input checked="" type="checkbox"/> $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 11602	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = (11,602 - 9,022) \times 8,33 \times \frac{135,331}{3,96} = 734 mm (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) 18 898 m Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = 200 mm Difference Restricted to Correction = $\frac{Diff^{\circ}}{4} \times \left(1 - \frac{S_i}{L} \right) = +36$
---	---	--

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S _i)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed	26,52 m		2,7 m		26,52 m
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	26,52				26,52

Standard Height of Superstructure _____

 " " R.Q.D. _____

Deduction for complete superstructure _____

Percentage covered $\frac{S}{L} = 0.2$

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

 " " $\frac{E}{L} = 0.2$

Percentage from Table, Line A. (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 =

SHEER CORRECTION.

Station	Standard Ordinate	S	Product	Actual Ordinate	Effective Ordinate	S	Product
A.P.	1381	1	1381	1730		1	1730
$\frac{1}{4}L$ from A.P.	614	4	2456	920		4	3680
$\frac{2}{4}L$ "	153,5	2	307	110		2	220
Amidships	0	4	0	0	0	4	0
$\frac{3}{4}L$ from F.P.	307	2	614	100		2	200
$\frac{1}{4}L$ "	1227	4	4908	610		4	2440
F.P.	2763	1	2763	1220		1	1220
Total			12429				9490

Mean actual sheer aft
 Mean standard sheer aft =

Mean actual sheer forward
 Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =
 L

 " " aft of " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} \right) = +106$
 If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100ft.

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

Ft.

Depth to Freeboard Deck = _____
 Summer freeboard = _____
 Moulded draught (d) = _____
 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
 $T = 51,2 \text{ English tons}$
 Deduction = $\frac{\Delta}{40 T}$ inches = _____

TABULAR FREEBOARD corrected for **Flush Deck** (if required) **2165**

Correction for coefficient

	+	-
Depth Correction	734	107
Deduction for superstructures	106	36
Sheer correction	36	107
Round of Beam correction	36	107
Correction for Thickness of Deck amidships	36	107
Other corrections, scantlings, etc.	36	107
Total	876	769

Summer Freeboard = **2934**

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 " "

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

Names of sister ships

Builder's name and yard number

Owners

Fee £ : :

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)

S



© 2021

Lloyd's Register
Foundation