

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

For LONDON OFFICE ONLY

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"/>
Nº R.B. 80806					Date of Survey <input checked="" type="checkbox"/>
Moulded Dimensions: Length 135.331 m Breadth 18.898 m Depth 11.582 m					Surveyor's Signature <input checked="" type="checkbox"/>
Freeboard Length					Particulars of Classification <input checked="" type="checkbox"/>
Moulded displacement at moulded draught = 65 per cent. of moulded depth 15199 metric tons in S.W.					
Coefficient of fineness for use with Tables					

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 11582	(a) Where D is greater than Table depth (D-Table depth) R = (11602 - 9.022) × 8.33 × 135.331 / 3.96 = 734 mm	Moulded Breadth (B) 18 898 m
Stringer plate 20	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50} =$
Wood Sheathing on exposed deck <input checked="" type="checkbox"/>	If restricted by superstructures	Ship's Round of Beam = 200 mm
$T \left(\frac{L-S}{L} \right) =$		Difference
Depth for Freeboard (D) = 11602		Restricted to
		Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_i}{L} \right) = +36$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S _i)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure
" overhang						" " R.Q.D.
R.Q.D. enclosed						Deduction for complete superstructure
" overhang						Percentage covered $\frac{S}{L} = 0.2$
Bridge enclosed						" " $\frac{S_i}{L} =$
" overhang aft						" " $\frac{E}{L} = 0.2$
" overhang forward						Percentage from Table, Line A.
F'cle enclosed 26.52 m			2.7 m		26.52 m	(corrected for absence of forecastle (if required))
" overhang						Percentage from Table, Line B.
Trunk aft						(corrected for absence of forecastle (if required))
" forward						Interpolation for bridge less than 2L (if required)
Tonnage opening aft						Deduction =
" " forward						
Total 26.52					26.52	

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	1381	1		1381	1730		1		1730
$\frac{1}{4}$ L from A.P.	614	4		2456	920		4		3680
$\frac{1}{2}$ L "	153.5	2		307	110		2		220
Amidships	0	4		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

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = +106$

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 =

L

" " aft of " =

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100ft.

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

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 english tons**

Deduction = $\frac{\Delta}{40 T}$ inches

TABULAR FREEBOARD corrected for **Flare Deck** (if required)

Correction for coefficient

Depth Correction **734**

Deduction for superstructures **107**

Sheer correction **106**

Round of Beam correction **36**

Correction for Thickness of Deck amidships ...

Other corrections, scantlings, etc. ...

+	-
734	107
106	
36	
876	107

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

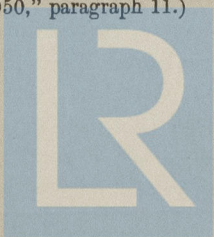
Builder's name and yard number

Owners

Fee £ : :

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



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