

DISCLOSED SECTION

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Index. No. 10275
(For London Office only.)

No. 431

Computation of Freeboard for Steamer, Sailing Ship, Tanker
having *Raised Quarter Deck, Bridge & Forecastle*

Port of Survey *Landskrona*

Date of Survey *Jan 1933*

Name of Surveyor _____

Particulars of Classification _____

Ship's Name	Nationality and Port of Registry	Official Number	Gross Tonnage	Date of Build
<i>8/5 JAN</i>	<i>Landskrona</i>	<i>7377</i>	<i>862</i>	<i>1893-11</i>

Moulded Dimensions: Length _____ Breadth _____ Depth _____ tons _____

Moulded displacement at moulded draught = 85 per cent. of moulded depth

Coefficient of fineness for use with Tables _____

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth	(a) Where D is greater than Table depth (D - Table depth) R = <i>+30 7/8</i>	Moulded Breadth (B) _____
Stringer plate	(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) = <i>4.531</i>		Difference _____
		Restricted to _____
		Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ <i>Nil</i>

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					
„ overhang					
Trunk aft					
„ forward					
Tonnage opening aft					
„ forward					
Total					

Standard Height of Superstructure _____

„ „ R.Q.D. _____

Deduction for complete superstructure *691*

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

„ „ $\frac{S_1}{L} =$ _____

„ „ $\frac{E}{L} =$ *69.71*

Percentage from Table, Line A. _____

(corrected for absence of forecastle (if required)) *Lesser 81.33*

Percentage from Table, Line B. _____

(corrected for absence of forecastle (if required)) _____

Interpolation for bridge less than 2L (if required) _____

Deduction = *692* $\times 81.33 = -562$

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
$\frac{1}{2}L$ from A.P.		4					4		
$\frac{2}{3}L$ „		2					2		
Amidships		4					4		
$\frac{2}{3}L$ from F.P.		2					2		
$\frac{1}{2}L$ „		4					4		
F.P.		1					1		
Total									

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

If limited on account of midship superstructure.

$$\text{Mean actual sheer aft} =$$

$$\text{Mean standard sheer aft} =$$

$$\text{Mean actual sheer forward} =$$

$$\text{Mean standard sheer forward} =$$

$$\text{Length of enclosed superstructure forward of amidships} =$$

$$\text{„ „ aft of „} =$$

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

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

$$\text{Depth to Freeboard Deck} = 5.751$$

$$\text{Summer freeboard} = 1.409$$

$$\text{Moulded draught (d)} = 4.342$$

Deduction for Tropical freeboard and addition for

$$\text{Winter freeboard} = \frac{d}{48} \text{ inches} = 90 7/8$$

$$\text{Addition for Winter North Atlantic Freeboard (if required)} = \frac{d}{36} = 121 7/8$$

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$$\Delta =$$

Tons per inch immersion at summer load water line

$$T =$$

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

$$= 90 7/8$$

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction	30	-
Deduction for superstructures	-	562
Sheer correction	40	-
Round of Beam correction	-	-
Correction for Thickness of Deck amidships	1220	-
Other corrections, scantlings, etc.	13	-
<i>Penalty for no Hood on R.Q.D.</i>		
	1303	562 + 741
Summer Freeboard =	1409	

TIMBER SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:—

TIMBER Tropical Fresh Water Line above Centre of Disc	297
„ Fresh Water Line „ „	207
„ Tropical Line „ „	207
„ Winter Line below „ „	4
„ Winter North Atlantic Line „ „	139
TIMBER SUMMER LINE above	117

Tropical Fresh Water Freeboard	1409
Fresh Water „ „	1229
Tropical „ „	1319
Winter „ „	1319
Winter North Atlantic „ „	1530
	1665

RECEIVED

16 JUN 1933