

Preliminary

Rpt. C.11.

Index. No. (For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

Computation of Freeboard for Steamer, Sailing Ship, Tanker
 having: Poop Trunk (Bridge) Trunk Forecastle.
no allowance for Bridge.
 (Type of Superstructures.)

Port of Survey _____
 Date of Survey 16-1-34
 Name of Surveyor _____

Builder's Name Furness S/B. Co N^os 266-7. Nationality and Port of Registry _____ Official Number _____ Gross Tonnage _____ Date of Build _____

Moulded Dimensions: Length 365.25 Breadth 64.00 Depth 18.00
 Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons
 Coefficient of fineness for use with Tables _____

Particulars of Classification +100 A1 (contemplated)
carrying petroleum in bulk.

Depth for Freeboard (D)	Depth correction	Round of Beam correction
Moulded depth	(a) Where D is greater than Table depth (D - Table depth) R =	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 $T \left(\frac{L-S}{L} \right) =$	<u>-17.72</u>	Ship's Round of Beam =
Depth for Freeboard (D) =	If restricted by superstructures	Difference
		Restricted to
		Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) =$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed	<u>88.45</u>	<u>88.45</u>	<u>8.0</u>	✓	<u>88.45</u>	Standard Height of Superstructure _____
„ overhang	<u>.50</u>	<u>.25</u>	✓	✓	<u>.25</u>	„ „ R.Q.D. _____
R.Q.D. enclosed						Deduction for complete superstructure <u>39.68</u>
„ overhang						Percentage covered $\frac{S}{L} =$ <u>34.50</u>
Bridge enclosed						„ „ $\frac{S_1}{L} =$ <u>68.18</u>
„ overhang aft						„ „ $\frac{E}{L} =$ <u>68.18</u>
„ overhang forward						Percentage from Table, Line A. <u>1.00</u>
F'cle enclosed	<u>36.50</u>	<u>36.50</u>	<u>8.0</u>	✓	<u>36.50</u>	(corrected for absence of forecastle (if required)) <u>61.18</u>
„ overhang	<u>.25</u>	<u>.124</u>	✓	✓	<u>.124</u>	Percentage from Table, Line B.
Trunk aft		<u>.39</u>			<u>.39</u>	(corrected for absence of forecastle (if required))
„ forward		<u>123.52</u>	<u>8.0</u>	✓	<u>123.52</u>	Interpolation for bridge less than 2L (if required)
Tonnage opening aft						Deduction = <u>39.68</u> x <u>61.18</u> = <u>24.22</u>
„ „ forward		<u>.01</u>			<u>.01</u>	
Total	<u>126.00</u>	<u>249.14</u>			<u>249.14</u>	

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		
$\frac{2}{8}$ L „		2					2		
Amidships		4					4		
$\frac{2}{8}$ L from F.P.		2					2		
$\frac{1}{4}$ L „		4					4		
F.P.		1					1		
Total									

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 „ = _____

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{4.86}{18} \left(.75 - \frac{.1725}{2 \times 365.25} \right) = .27$

If limited on account of midship superstructure.

If limited to maximum allowance of $\frac{1}{4}$ ins. per 100 ft.

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient
Depth to Freeboard Deck = Ft.	$\Delta =$	Depth Correction
Summer freeboard =	Tons per inch immersion at summer load water line	Deduction for superstructures
Moulded draught (d) =	T =	Sheer correction
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =	Deduction = $\frac{\Delta}{40T}$ inches =	Round of Beam correction
Addition for Winter North Atlantic Freeboard (if required) =		Correction for Thickness of Deck amidships
		Other corrections, scantlings, etc.
		Summer Freeboard =

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 „ „



