

Amended preliminary.

Index No. *38028*
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name <i>Laings 776</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length <i>410.75</i> Breadth <i>56.5</i> Depth <i>29.25</i>					Date of Survey <i>6.9.47</i>
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons					Surveyor's Signature
Coefficient of fineness for use with Tables <i>.738 given by builders</i>					Particulars of Classification <i>Tanker</i>

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth <i>29.25</i>	(a) Where D is greater than Table depth $(\frac{D - \text{Table depth}}{1.92}) \times 3 = +5.76$	Moulded Breadth (B)
Stringer plate <i>.05</i>	(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>29.30</i>		Difference
		Restricted to
		Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right) = \text{Nil.}$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	<i>151.58</i>	<i>151.58</i>	<i>7.5</i>	-	<i>151.58</i>
" overhang	<i>.75</i>	<i>.77</i>	"	-	<i>.37</i>
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft	<i>.75</i>	<i>.56</i>	"	-	<i>.56</i>
" overhang forward					
Fore enclosed	<i>102.79</i>	<i>102.79</i>	"	-	<i>102.79</i>
" overhang					
Trunk aft	<i>150.37</i>	<i>83.16</i>	"	-	<i>83.16</i>
" forward	<i>31.25</i>				
Tonnage opening aft	<i>4.50</i>	<i>2.53</i>	"	-	<i>2.53</i>
" " forward					
Total	<i>260.37</i>	<i>340.99</i>			<i>340.99</i>

Standard Height of Superstructure *7.5'*
" " R.Q.D. *-*
Deduction for complete superstructure *42.00"*

Percentage covered $\frac{S}{L} = \frac{63.39}{83.01}$
" " $\frac{S_1}{L} = \frac{83.01}{83.01}$
" " $\frac{E}{L} = \frac{83.01}{83.01}$

Percentage from Table, Line A. *Tanker 79.03*
(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 = $42.00 \times .7903 = -33.19$

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	
$\frac{2}{4}L$ from F.P.		2				2	
$\frac{1}{4}L$ "		4				4	
F.P.		1				1	
Total			<i>459.63</i>				<i>530.98</i>

Mean actual sheer aft = *2.75*
Mean standard sheer aft = *2.75*

Mean actual sheer forward = *>1*
Mean standard sheer forward = *>1*

Length of enclosed superstructure forward of amidships = *Tanker.*
" " aft of " =

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{71.35 - (.75 \times 3169)}{18} = -1.72$
If limited on account of midship superstructure. *.4331* If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

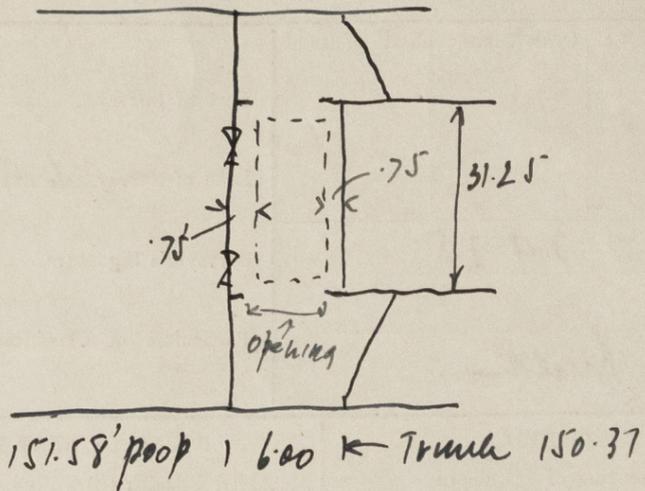
Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient <i>1.418</i>
Depth to Freeboard Deck = Ft.	$\Delta =$	<i>7.36</i>
Summer freeboard =	Tons per inch immersion at summer load water line	Depth Correction <i>5.76</i>
Moulded draught (d) =	T =	Deduction for superstructures <i>33.19</i>
Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches =	Deduction = $\frac{\Delta}{40 T}$ inches =	Sheer correction <i>1.72</i>
Addition for Winter North Atlantic Freeboard (if required) =		Round of Beam correction <i>-</i>
		Correction for Thickness of Deck amidships <i>-</i>
		Other corrections, scantlings, etc. <i>-</i>
		Summer Freeboard = <i>38.72</i>

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 " "

3' - 2 3/4"

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.



151.58
6.0
150.37
102.79
410.74

Trade of ship

Names of sister ships

Builder's name and yard number

Owners

Fee £



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Lloyd's Register
Foundation