

9 JUL 1948

Index. No. 39728
(For London Office only).

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Amber 39535
Similar

Ship's Name "LYNGÅS".	Official Number ✓ L.M.I.M.	Nationality and Port of Registry NORWEGIAN FARSUND.	Gross Tonnage 532.	Date of Build 1944.	Port of Survey BERGEN.
Moulded Dimensions: Length 151'-0" Breadth 27'-6" Depth 15'-0" 96% LENGTH FROM FORE PERP. TO AFTER END CRUISER STERN 151'-2 1/2" Moulded displacement at draught = 85 per cent. of moulded depth 925 tons Coefficient of fineness for use with Tables .68 (actual less than .68)					Date of Survey 6TH JULY 1948.
Surveyor's Signature S. A. Bide					Particulars of Classification 100 A 1.

Depth for Freeboard (D). Moulded depth ... 15.00 Stringer plate03 Sheathing on exposed deck = $2 \frac{1}{2}''$ $T \left(\frac{L-S}{L} \right) = .21 \times \frac{38.66}{151.50} = .05$ Depth for Freeboard (D) = 15.08	Depth correction. (a) Where D is greater than Table depth (D - Table depth) R = $(15.08 - 10.10) \cdot 1.165 = +5.80$ (b) Where D is less than Table depth (if allowed) (Table depth - D) R = 4.98 If restricted by superstructures ✓	Round of Beam correction. Moulded Breadth (B) 27'-6" Standard Round of Beam = $\frac{B \times 12}{50} = 6.48$ Ship's Round of Beam = 7. Difference EXCESS = .4. Restricted to ✓ Correction = $\frac{\text{Diff}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.4}{4} \times 2806 = -.03''$
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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 ...	83.55				
Bridge enclosed 81'-0"	83.55	7'-3"	✓		83.55
" overhang aft ...	2'-04"				
" overhang forward ...	10'-8"	1.02	7'-9 3/4"	✓	1.02
F'cle enclosed ...	24'-5"	24.42	6'-3 1/2"	✓	24.42
" overhang42				
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" forward ...					
Total ...	110.01	108.99			108.99

Standard Height of Superstructure **6.00**
 " " R.Q.D. ✓
 Deduction for complete superstructure **21.15**
 Percentage covered $\frac{S}{L} = 78.61$
 $\frac{S_1}{L} = 71.94$
 $\frac{E}{L} = 65.39$
 Percentage from Table, Line A. & B **65.39.**
 (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 = $21.15 \times .6539 = 13.83$ ✓

VESSEL DESIGNED WITH A TRIM BY STERN OF 6'-0".
SHEERS MEASURED AFLOAT.

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P. ...	25.15	1		25.15	70"	34.00	1		34.00
1/4 L from A.P. ...	11.19	4		44.76	35"	11.00	4		44.00
1/2 L " ...	2.765	2		5.53	14"	2.00	2		4.00
Amidships ...		4			0"		4		
3/4 L from F.P. ...	5.53	2		11.06	-4"	8.00	2		16.00
1/4 L " ...	22.39	4		89.56	+2"	26.00	4		104.00
F.P. ...	50.30	1		50.30	+18"	54.00	1		54.00
Total ...			✓	226.36					256.00

Mean actual sheer aft = **Excess**
 Mean standard sheer aft = **Excess**
 Mean actual sheer forward = **Excess**
 Mean standard sheer forward = **Excess**
 Length of enclosed superstructure forward of amidships = **.0702** ✓
 " " aft of " = **> 1**
 Correction = $\frac{\text{Difference between sums of products}}{18} = \frac{29.64 - 36.31}{18} = -.364$ ✓
 If limited on account of midship superstructure. $\frac{1702}{2} \times .64 = -.54$ ✓
 If limited to maximum allowance of 1 1/2 ins. per 100 ft.

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

Depth to Freeboard Deck = **15.03'**
 Summer freeboard = **.54**
 Moulded draught (d) = **14.49'**
 Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = **3.62 = 3 1/2"**
 Addition for Winter North Atlantic Freeboard (if required) = **5 1/2"**

Deduction for Fresh Water.

Displacement in salt water at summer load water line
 $\Delta = 1097$
 Tons per inch immersion at summer load water line
 $T = 8.2$
 Deduction = $\frac{\Delta}{40T}$ inches = **3.34**
= 3 1/4"

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient **NIL.**

	+	-
Depth Correction ...	5.80	
Deduction for superstructures ...		13.83
Sheer correction54
Round of Beam correction03
Correction for Thickness of Deck amidships60
Other corrections, scantlings, etc. ...		
	5.80	15.00
Summer Freeboard =	6.51	

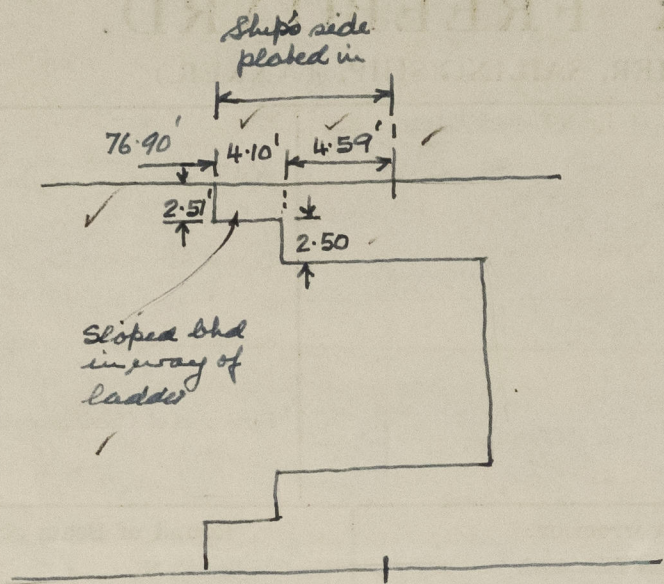
SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:

Tropical Fresh Water Line above Centre of Disc ... **6 3/4" = 172 inches**
 Fresh Water Line " " ... **3 1/4" = 83**
 Tropical Line " " ... **3 1/2" = 89**
 Winter Line below " " ... **3 1/2" = 89**
 Winter North Atlantic Line " " ... **5 1/2" = 140**

Tropical Fresh Water Freeboard ... **0'-6 1/2" = 16.5 inches**
 Fresh Water " " ... **0'-3 1/4" = 8.2**
 Tropical " " ... **0'-3" = 7.6**
 Winter " " ... **0'-10" = 25.4**
 Winter North Atlantic " " ... **1'-0" = 30.5**

Lynge's.

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.



$$\begin{array}{r} 81.00 \\ - 4.10 \\ \hline 76.90 \end{array} \checkmark$$

Bridge:-

Length on ship's side = 85.59' ✓

Deduction $\frac{4.10 \times 2.51}{2 \times 13.75} = .37'$ $\frac{5.01 \times 4.59}{13.75} = 1.67'$

$$\begin{array}{r} - 2.04 \\ \hline 83.55 \end{array} = \text{equivalent enclosed bhd.}$$

$$\frac{2.04}{2.04} = \text{equivalent overhang.}$$

$$\begin{array}{r} 85.59 \\ - 2.04 \\ \hline 83.55 \end{array}$$

Trade of ship UNRESTRICTED

Names of sister ships BUILT AS A/S & M/S TRAWLER & NOW CONVERTED FOR CARGO.

Builder's name and yard number COOK, WELTON & GEMMELL LD. 729.

Owners A/S SANDSKAARS REDERI. MANAGER ANDERS SANDAL.

Fee Kr. 123.-

NOT CHARGED YET.



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Foundation