

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

22 NOV 1954

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name **"Alep" ex Skold.** Official Number **36-31** Nationality and Port of Registry **Syria Latakia** Gross Tonnage **1356** Date of Build **1904-6**

Port of Survey **Copenhagen**

Date of Survey **19th November 1954**

Surveyor's Signature **2ll. J. J. J.**

Particulars of Classification **+100 A1**

Moulded Dimensions: Length **240'0"** Breadth **36'6"** Depth **19'0"**

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

Coefficient of fineness for use with Tables **833 assumed**

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	19'0"	(a) Where D is greater than Table depth (D-Table depth) R =	(19'04" - 16'00") 1.846 = 5.61	Moulded Breadth (B)	36'6"
Stringer plate	1/2" 04	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	3.04	Standard Round of Beam = $\frac{B \times 12}{50}$	8.71
Sheathing on exposed deck				Ship's Round of Beam	7.71
$T \left(\frac{L-S}{L} \right) =$				Difference	1.00
Depth for Freeboard (D) =	19'04"	If restricted by superstructures		Restricted to	
				Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right)$	$\frac{1.71}{4} \times \frac{5.233}{36} = +.22$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	18.21	18.21	6'11"		18.21
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed	64.00	64.00	6'11"		64.00
" overhang aft	2.00	1.50	2'0"		1.50
" overhang forward	2.00	1.00	2'0"		1.00
F'cle enclosed	29.71	29.71	7'10"		29.71
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" forward					
Total	115.92	114.42			114.42

Standard Height of Superstructure **6'00"**

" " R.Q.D. **30'00"**

Deduction for complete superstructure **30'00"**

Percentage covered $\frac{S}{L} = 48.30\%$

" " $\frac{S_1}{L} = 47.67\%$

Percentage from Table, Line A. (corrected for absence of forecastle (if required))

Percentage from Table, Line B. **34.02%** (corrected for absence of forecastle (if required))

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

Deduction = $30.00 \times .3402 = 10.21"$

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	34.00	1	34.00	33"	33.0	1	33.00
1/2 L from A.P.	15.13	4	60.52	17"	17.0	4	68.00
2/3 L	3.74	2	7.48	3"	3.0	2	6.00
Amidships		4		0		4	
2/3 L from F.P.	7.48	2	14.96	12"	12.0	2	24.00
1/2 L	30.26	4	121.04	36"	36.0	4	144.00
F.P.	68.00	1	68.00	78"	78.0	1	78.00
Total			306.00				353.00

Mean actual sheer aft
Mean standard sheer aft =

Mean actual sheer forward
Mean standard sheer forward =

EXCESS.

Length of enclosed superstructure forward of amidships = 7.1

" " aft of " = 7.1

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{44.00}{18} \left(.75 - \frac{24.15}{36} \right) = -1.33"$

If limited on account of midship superstructure.

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 = 19'04"

Summer freeboard = 2'33"

Moulded draught (d) = 16'71"

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 =

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

=

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient

Depth Correction

Deduction for superstructures

Sheer correction

Round of Beam correction

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc.

30.30

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

33.71

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

FREEBOARDS AS
ASSIGNED BY DANISH
GOV^{mt} UNDER 1706
CONVENTION REASSIGNED.

Tropical Fresh Water Line above Centre of Disc	6 3/4"
Fresh Water Line	4"
Tropical Line	2 3/4"
Winter Line below	2 3/4"
Winter North Atlantic Line	4 1/2"

Tropical Fresh Water Freeboard	1' 9 3/4"
Fresh Water	2' 0"
Tropical	2' 1 1/2"
Winter	2' 6 3/4"
Winter North Atlantic	2' 8 3/4"

El Gamil.

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.

FORECASTLE

LENGTH

= 28.00 ✓

+ 6.0 x 4.0 ✓
14.00 ✓

= 1.71 ✓
29.71 ✓

By measure of the double bottom = 4' - 0" (121.92) ✓
(184.8)

7.00 ✓
= 29.71 ✓

Trade of ship

Names of sister ships

Builder's name and yard number Sunderland S.B. Co. Ltd. No 223 or No 224

Owners Compagnie Syrienne des Transports Maritimes

Fee Kr. 460.00



© 2020

Lloyd's Register
Foundation

Mr