

As a Cargo Steamer

# Lloyd's Register of Shipping.

## SURVEYS FOR FREEBOARD.

Index. No. 34722  
(For London Office only.)

Computation of Freeboard for Steamer, Sailing Ship, Tanker

Port of Survey

(Type of Superstructures.)

Date of Survey 15-2-35

Ship's Name Ed Tautou (10400 tons)  
Argentinean built  
Nationality and Port of Registry  
Official Number  
Gross Tonnage  
Date of Build

Name of Surveyor

Dimensions: Length 445 Breadth 61 Depth 32.17  
displacement at moulded draught = 85 per cent. of moulded depth  
Coefficient of fineness for use with Tables assumed .75

Particulars of Classification 100 A1  
Carrying petroleum - bulk

Depth for Freeboard (D)  
Depth ... .. 32.17  
ate ... .. .07  
on exposed deck  
 $\frac{S}{L} =$   
Depth for Freeboard (D) = 32.24

Depth correction  
(a) Where D is greater than Table depth  
(D - Table depth) R =  
 $(32.24 - 29.67) \times 3 = +7.71$   
(b) Where D is less than Table depth (if allowed)  
(Table depth - D) R =  
If restricted by superstructures

Round of Beam correction  
Moulded Breadth (B) 61  
Standard Round of Beam =  $\frac{B \times 12}{50} = 14.64$   
Ship's Round of Beam = 15.25  
Difference 0.61  
Restricted to  
Correction =  $\frac{\text{Diff}}{4} \times (1 - \frac{S_1}{L}) = \frac{.61}{4} \times .6086 = .09$

### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
enclosed ...	<u>106.50</u>				
overhang ...					
enclosed ...					
overhang ...					
enclosed ...	<u>32.67</u>				
overhang aft ...					
overhang forward ...					
enclosed ...	<u>35.00</u>				
overhang ...					
aft ...					
forward ...					
opening aft ...					
" forward					
Total ...	<u>174.17</u>				<u>174.17</u>

Standard Height of Superstructure 7.5  
" " R.Q.D.  
Deduction for complete superstructure 42  
Percentage covered  $\frac{S}{L} =$   
" "  $\frac{S_1}{L} =$   
" "  $\frac{E}{L} =$   
Percentage from Table, Line A. 22.77  
(corrected for absence of forecastle (if required))  
Percentage from Table, Line B. 26.77  
(corrected for absence of forecastle (if required))  
Interpolation for bridge less than 2L (if required)  $22.77 + (4 \times \frac{32.67}{89}) = 24.24$   
Deduction =  $42 \times .2424 = 10.18$

### SHEER CORRECTION.

Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
...	1				1	
...	4				4	
...	2				2	
...	4				4	
...	2				2	
...	4				4	
...	1				1	

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 " =

on =  $\frac{\text{Difference between sums of products}}{18} \left( .75 - \frac{S}{2L} \right) =$   
ed on account of midship superstructure.

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

for Tropical Freeboard.  
for Winter and Winter North Freeboard.

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

Freeboard Deck = 32.24  
Summer freeboard = 7.29  
Moulded draught (d) = 24.95  
Tropical freeboard and addition for  
Freeboard =  $\frac{d}{4}$  inches =  
Winter North Atlantic Freeboard (if

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. ... ..

	+	-
Depth Correction	<u>7.71</u>	
Deduction for superstructures		<u>10.18</u>
Sheer correction		<u>.09</u>
Round of Beam correction		<u>.10</u>
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc.		
	<u>7.71</u>	<u>10.28</u>

Summer Freeboard = 87.38

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	"

Lloyd's Register  
Foundation

002808-002815-0129