

AMENDED.

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, ~~SAILING SHIP, TANKER~~)

For LONDON OFFICE ONLY

Received

Index No.

Govt. Copy

Owners C11

Ship's Name PRECILA.	Official Number	Nationality and Port of Registry PANAMA	Gross Tonnage 5277	Date of Build	Port of Survey
Moulded Dimensions: Length 419.50 Breadth 64.66 Depth 39.08					Date of Survey 2.8.55.
Freeboard Length					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons					Particulars of Classification 7100 A1.
Coefficient of fineness for use with Tables .740 ESTD.					

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	39.08	(a) Where D is greater than Table depth (D-Table depth) R = (39.12 - 27.96) 3 = 33.48		Moulded Breadth (B)	54.66
Stringer plate04	(b) Where D is less than Table depth (if allowed) (Table depth-D) R = 11.16		Standard Round of Beam = $\frac{B \times 12}{50}$	13.12
Wood Sheathing on exposed deck				Ship's Round of Beam	13.50
$T \left(\frac{L-S}{L} \right) =$				Difference	.38
Depth for Freeboard (D) =	39.12	If restricted by superstructures		Restricted to	
				Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right)$.38 x .919 = -.09

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					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed	34.00	34.00	7.5	✓	34.00
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	34.00	34.00			34.00

Standard Height of Superstructure **7.50'**

" " R.Q.D. **✓**

Deduction for complete superstructure **42.00'**

Percentage covered $\frac{S}{L} =$ **8.10**

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

" " $\frac{E}{L} =$

Percentage from Table, Line A. **4.05**

(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 x .0405 = -1.70'**

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	51.95	1	51.95	60.00	60.00	1	60.00
$\frac{1}{2}$ L from A.P.	23.12	4	92.48	27.85	27.85	4	111.40
$\frac{2}{3}$ L "	6.41	2	11.42	6.96	6.96	2	13.92
Amidships	0	4	0	0	0	4	0
$\frac{2}{3}$ L from F.P.	11.42	2	22.84	14.22	14.22	2	28.44
$\frac{1}{2}$ L "	46.24	4	184.96	56.88	56.88	4	227.62
F.P.	103.90	1	103.90	120.00	120.00	1	120.00
Total			464.55				561.28

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 " = **NIL.**

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - \frac{S}{2L}}{.75} \right) = \frac{93.73}{18} \left(\frac{.75 - .0405}{.75} \right) = -3.69'$

If limited on account of midship superstructure. **YES. - NO ALLOWANCE.**

If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100ft. **7.095**

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Ft.

Depth to Freeboard Deck = **39.12**

Summer freeboard = **11.23**

Moulded draught (d) = **27.89**

Keel allowance =

Extreme draught =

Deduction for Tropical freeboard and addition for =

Winter freeboard = $\frac{d}{4}$ inches = **6.97 x .75**

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

7.34

TABULAR FREEBOARD

corrected for Flush Deck (if required)

Correction for coefficient

	+	-
Depth Correction	33.48	✓
Deduction for superstructures	1.70	✓
Sheer correction	✓	✓
Round of Beam correction09	✓
Correction for Thickness of Deck amidships	✓	✓
Other corrections, scantlings, etc. <i>Comp. only</i>	20.74	✓
Summer Freeboard =	134.75	

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

Tropical Fresh Water Line above Centre of Disc	14.24	315
Fresh Water Line " "	7.4	197
Tropical Line " "	7.4	178
Winter Line below " "	7.4	178
Winter North Atlantic Line " "	✓	✓

Tropical Fresh Water Freeboard	11.24	3423
Fresh Water " "	10.0	3048
Tropical " "	10.4	3226
Winter " "	10.4	3245
Winter North Atlantic " "	11.24	3601