

Rpt. C.11 (Comp.)

AMENDED COMP.

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

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

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Owners C11

Ship's Name OHRID	Official Number	Nationality and Port of Registry YUGOSLAV	Gross Tonnage abt. 300	Date of Build 1954/55	Port of Survey SPLIT
Moulded Dimensions: Length 113.25' Breadth 22.96' Depth 11.00'					Date of Survey 15.6.55
Freeboard Length To & of R.S.					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth 348.5 English tons					Particulars of Classification + 100 A.1
Coefficient of fineness for use with Tables .68 (ACTUAL .502)					For service in the Adriatic

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth ... 11.00'	(a) Where D is greater than Table depth (D - Table depth) R = (11.19 - 7.55) - 871 + 3.17"	Moulded Breadth (B) 22.96
Stringer plate02	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	Standard Round of Beam = $\frac{B \times 12}{50} = \frac{22.96 \times 12}{50} = 5.51$
Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) = 22 \times .7506 = 17'$	If restricted by superstructures	Ship's Round of Beam = 5.51
Depth for Freeboard (D) = 11.19'		Difference
		Restricted to
		Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L} \right) = \text{NIL.}$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed ...					
" overhang ...					
R.Q.D. enclosed ...					
" overhang ...					
Bridge enclosed ...					
" overhang aft ...					
" overhang forward ...					
Fore enclosed ...					
Fore overhang ...					
Trunk aft ...					
" forward ...					
Tonnage opening aft ...					
" " forward ...					
Total ...	28.25'	28.25'			15.21'

Standard Height of Superstructure **6.00'**

" " R.Q.D. **-**

Deduction for complete superstructure **17.33"**

Percentage covered $\frac{S}{L} = \left\{ \begin{array}{l} S_1 \\ L \end{array} \right\} = 24.94$

" " $\frac{E}{L} = 13.43$

Percentage from Table, Line A. **6.72**
(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 = **17.33 x .0672 = 1.16"**

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	21.33	1	21.33	9.45"	9.45	1	9.45
$\frac{1}{2}$ L from A.P. ...	9.49	4	37.96	.63	.63	4	2.52
$\frac{3}{8}$ L " ...	2.35	2	4.70	-2.09	-2.09	2	-4.18
Amidships ...	0	4	0	0	0	4	0
$\frac{3}{8}$ L from F.P. ...	4.69	2	9.38	5.75	4.69	2	9.38
$\frac{1}{2}$ L " ...	18.98	4	75.92	24.80	18.98	4	75.92
F.P. ...	42.65	1	42.65	53.18	42.65	1	42.65
Total ...			191.94				135.74

Correction = $\frac{\text{Difference between sums of products}}{18} = \frac{56.20 - 135.74}{18} = -1.95"$

If limited on account of midship superstructure. -

Mean actual sheer aft = **DEF? < .5**

Mean standard sheer aft =

Mean actual sheer forward = **EXCESS**

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships = **NIL.**

" " aft of " =

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

Depth to Freeboard Deck = **11.24** Ft.

Summer freeboard = **3.52**

Moulded draught (d) = **7.72**

Keel allowance =

Extreme draught =

Deduction for Tropical freeboard and addition for =

Winter freeboard = $\frac{d}{4}$ inches = **1.93 = 2"**

Addition for Winter North Atlantic Freeboard (if required) = **NOT ASSIGNED**

Deduction for Fresh Water.

Displacement in salt water at summer load water line

$\Delta = 280$

Tons per inch immersion at summer load water line

T = **4.42**

Deduction = $\frac{\Delta}{40 T}$ inches = **1 1/2"**

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient **NIL.**

Depth Correction ... **3.17**

Deduction for superstructures ... **1.16**

Sheer correction ... **1.95**

Round of Beam correction ... **.60**

Correction for Thickness of Deck amidships ... **26.36**

Other corrections, scantlings, etc. ... **32.08**

CORRESPONDING TO A SUMMER MOULDED DRAUGHT OF **7'-8 3/8" (ACTUAL)**

Summer Freeboard = **42.25**

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

Tropical Fresh Water Line above Centre of Disc **NOT ASSIGNED**

Fresh Water Line " **1 1/2" 38 mm.**

Tropical Line " **NOT ASSIGNED**

Winter Line below " **2" 51 mm.**

Winter North Atlantic Line " **NOT ASSIGNED**

Tropical Fresh Water Freeboard **NOT ASSIGNED**

Fresh Water " **3' - 4 3/4" 1035 mm.**

Tropical " **NOT ASSIGNED**

Winter " **3' - 8 1/4" 1124 mm.**

Winter North Atlantic " **NOT ASSIGNED**