

LLOYD'S REGISTER OF SHIPPING

SURVEYS FOR FREEBOARD

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

Received
 Index No.
 Govt. Copy
 Owners C11

Ship's Name "AFON CEFNI" EX ALICE	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 56.75 Breadth 16.83' Depth 7.75'					Date of Survey
Freeboard Length 56.75 FT. TO CLRS.					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth tons					Particulars of Classification 7100 AI TUG, U.K. COASTING SERVICE.
Coefficient of fineness for use with Tables ASSUME 0.68.					

DEPTH FOR FREEBOARD (D). Moulded depth 7.75 Stringer plate ... 0.25"02 Wood Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) = 7.77	DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = (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) Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = 3.75" Difference Restricted to Correction = $\frac{\text{Diff.}}{4} \times \left(1 - \frac{S}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

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

Standard Height of Superstructure _____

 " " R.Q.D. _____

Deduction for complete superstructure _____

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

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

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

Percentage from Table, Line A.
(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 = _____

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1			9"		1		
$\frac{1}{2}$ L from A.P. ...		4			2"		4		
$\frac{3}{4}$ L " ...		2			-1"		2		
Amidships ...	0	4	0	0	0	0	4	0	0
$\frac{1}{2}$ L from F.P. ...		2			7"		2		
$\frac{1}{4}$ L " ...		4			19"		4		
F.P.		1			34"		1		
Total ...									

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 " = _____

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

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

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = _____ Ft. Summer freeboard = _____ Moulded draught (d) = _____ Keel allowance 1" = 0.08 Extreme draught = _____ 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 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td style="width: 50px;"></td><td style="width: 50px;"></td></tr> <tr><td style="text-align: center;">+</td><td style="text-align: center;">-</td></tr> <tr><td style="height: 100px;"></td><td style="height: 100px;"></td></tr> </table> Depth Correction Deduction for superstructures Sheer correction Round of Beam correction Correction for Thickness of Deck amidships Other corrections, scantlings, etc. Summer Freeboard = _____			+	-		
+	-							

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	"

