

OFFICE

Rpt. C.11 (Comp.)

For LONDON OFFICE ONLY

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 CEPNI" <i>EX ALICE</i>	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
Moulded Dimensions: Length 56.75' Breadth 16.83' Depth 7.75'				
Freeboard Length 56.75' to CLRS.				
Moulded displacement at moulded draught = 85 per cent. of moulded depth _____ tons				
Coefficient of fineness for use with Tables 0.68				

Port of Survey **LONDON N.R.**

Date of Survey **14-6-83**

Surveyor's Signature **W R M**

Particulars of Classification **+ 100 A1 TUG**
U.K. COASTING SERVICE

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 =
(7.77 - 3.788) 0.437 = +1.74"

(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) **16.83'**

Standard Round of Beam = $\frac{B \times 12}{50} =$ **4.04"**

Ship's Round of Beam = **3.75"**

Difference **0.29**

Restricted to

Correction = $\frac{\text{Diff.}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{.29}{4} = +.07$

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					
Forecastle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total					

FLUSH DECK

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.	15.68	1	15.68	9"	9.0	1	9.0		
½L from A.P.	6.98	4	27.92	2"	2.0	4	8.0		
¼L "	1.72	2	3.44	-1"	-1.0	2	-3.0		
Amidships	0	4	0	0	0	4	0		
¾L from F.P.	3.45	2	6.90	7"	3.45	2	6.90		
½L "	13.95	4	55.80	19"	13.95	4	55.80		
F.P.	31.35	1	31.35	34"	31.35	1	31.35		
Total			141.09				108.05		

Mean actual sheer aft = **DEFICIENT, < 50%**

Mean standard sheer aft = _____

Mean actual sheer forward = **EXCESS BUILT TO STD.**

Mean standard sheer forward = _____

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

" " aft of " = }

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - S}{2L} \right) = \frac{33.04}{18} \times .75 = + 1.38"$

If limited on account of midship superstructure.

6.26 + 0.85

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **7.77**

Summer freeboard = **.86**

Moulded draught (d) = **6.91**

Keel allowance 1" = **.05**

Extreme draught = **6.99**

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	1.74	-
Deduction for superstructures	-	-
Sheer correction	1.38	-
Round of Beam correction07	-
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	-	-
3.19		3.19

Summer Freeboard = **16.30**

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 " "

