

Lloyd's Register of Shipping.

Index. No.
(For London Office only).

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

IN ACCORDANCE WITH
U.S.C.G. 176
LOAD LINE REGULATIONS
SUBPART 45.20.

Ship's Name C.T. CO - 177 EX TEXACO 398	Official Number 172301	Nationality and Port of Registry U.S. HOUMA, LA.	Gross Tonnage 895	Date of Build 1936	Port of Survey New Orleans
Moulded Dimensions: Length 206' Breadth 40.00 Depth 12.00					Date of Survey 3 JANUARY 1963
Moulded displacement at moulded draught = 85 per cent. of moulded depth: — tons					Surveyor's Signature Edward Dick
Coefficient of fineness for use with Tables .86 MAX					Particulars of Classification

Depth for Freeboard (D).	Depth correction.	Round of Beam correction.
Moulded depth 12.00	(a) Where D is greater than Table depth (D—Table depth) R=	Moulded Breadth (B) 40'
Stringer plate03	(b) Where D is less than Table depth (if allowed) (Table depth—D) R=	Standard Round of Beam = $\frac{B \times 12}{50} =$ 9.60
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	(12.73 - 12.03) 1.584	Ship's Round of Beam 5.50
Depth for Freeboard (D) = 12.03	If restricted by superstructures NOT ALLOWED	Difference 5.10
		Restricted to
		Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{5.10}{4} =$ +1.27"

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					
" 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.	30.60	1		30.60	16.77	16.77	1		16.77
1/4L from A.P. ...	13.67	4		54.48	0	0	4		0
1/4L " ...	3.37	2		6.74	0	0	2		0
Amidships ...	0	4		0	0	0	4		0
1/4L from F.P. ...	6.73	2		13.46	0	0	2		0
1/4L " ...	27.23	4		108.92	0	0	4		0
F.P.	61.20	1		61.20	16.04	16.04	1		16.04
Total				275.40					32.81

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{242.59}{18} \times .75 =$ **+10.11**

If limited on account of midship superstructure.

Mean actual sheer aft = **DEF**

Mean standard sheer aft =

Mean actual sheer forward = **DEF**

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =

" " aft of " =

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **12.03**

Summer freeboard = **2.96**

Moulded draught (d) = **9.07**

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

$d/4 = 2.27$

IN ACCORDANCE WITH 43.15-95

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient. $\frac{.86 + .68}{1.36}$

Depth Correction

Deduction for superstructures

Sheer correction

Round of Beam correction

Correction for Thickness of Deck amidships

Other corrections, scantlings, etc. **TO CORRECTED**

WITH SUMMER FREEBOARD PREVIOUSLY ASSIGNED

	+	-
Depth Correction	-	-
Deduction for superstructures	-	-
Sheer correction	10.11	-
Round of Beam correction	1.27	-
Correction for Thickness of Deck amidships	-	-
Other corrections, scantlings, etc.	6.4	-
	12.02	

Summer Freeboard = **35.50**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: **20' 11 1/2"**

Tropical Fresh Water Line above Centre of Disc

Fresh Water Line " "

Tropical Line " "

Winter Line below " "

Winter North Atlantic Line " "

Tropical Fresh Water Freeboard

Fresh Water " "

Tropical " "

Winter " "

Winter North Atlantic " "

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A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

CAMBER 6" STRAIGHT LINE
EQV. PARABOLIC - 4.5"

Trade of ship TANK BARGE

Names of sister ships CTCO 176 (EX TEXACO 396)

Builder's name and yard number

Owners CELAC TOWING CO., INC.

Fee £



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