

Lloyd's Register of Shipping
SURVEYS FOR FREEBOARD - STEAMERS

(Under the Provisions of the U. S. A. Load Line Act of March 2, 1929)

Name of Ship
Port
Date of Survey
Name of Surveyor

Ship's Name: Barge "Tetaco 398"
Port of Registry and Nationality: Wilmington, Del. U.S.A.
Official Number: 172301
Gross Tonnage: 896
Date of Build: 1936
Particulars of Classification: A- Barge to be towed, carrying per tonnage for service on Great Lakes, New York, etc. Barge haul and between New York, etc. me, and Norfolk Va.
Owner: The Tetaco Company
Builder: Pennsylvania Shipyard, Inc. Beakwood, Pa.
Moulded dimensions: 210.0 x 40.0 x 12.0 (85% =)
Moulded displacement at a moulded draught of 85 per cent. of moulded depth
Coefficient of fineness for use with tables: 16. (Maximum in tables)

DEPTH FOR FREEBOARD. Moulded depth 12.0
Stringer plate .03
Sheathing in wells T(L-S/L) =
Depth D = 12.03
CORRECTION FOR DEPTH. (a) When D is greater than L/15 (D-L/15) x R =
(b) When D is less than L/15 (if allowed) (L/15-D) x R =
If restricted by height of superstructures
CAMBER. Standard 40' x 12 / 50 = 9.60
Ship 6" straight 4.50
Difference 5.10
Restricted to
Allowance = Difference / 4 x (1 - S/L) = 5.10 / 4 = 1.27

SUPERSTRUCTURES.

	Mean Covered Length S.	Effective Length S ₁ (Uncorrected for Height)	Height.	Correction for Height.	Effective Length.
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunks forward					
" aft					
tonnage opening					
Total					

Forecastle not required!

Length of ship (L) =
% Covered... =
Corresponding %, corrected for absence of forecastle if required A =
Allowance ... =
Correction for Bridge less than 2 L if required B =

SHEER.

Station.	Actual Sheer.	Standard Sheer.	Allowed Sheer.	S. M.	Products.
A.P. 1	18.00	31.00	18.00	1	18.00
2				4	
3				2	
4				4	
5				2	
6				4	
F.P. 7	18.00	31.00	18.00	1	18.00

If excess sheer forward and deficient sheer aft:-

Actual sheer aft / Standard sheer aft = Deficient
Actual sheer forward / Standard sheer forward = Deficient

Length of enclosed superstructure L

Forward of amidships =
Aft of amidships =

Mean effective sheer ... = 36.00
Standard sheer .05 L + 5 = 15.50
Difference (Df) = 13.50
Allowance = Df x (.75 - S/L) = 13.50 x .75 = 10.13
If limited on account of amidship superstructure
If limited on account of excess sheer (1 1/2 in. per 100 ft.)

DRAFTS. Moulded Depth D = 12' 0 3/8
Stringer Plate = 12' - 0 3/8
Freeboard = 2' - 11 1/2
Moulded draught = 9' - 0 7/8
Addition for keel below base line = 1 1/8
Extreme draught = 9' - 2
F. W. ALLOWANCE Displacement =
Tons per inch = 40 x
TABULAR FREEBOARD (corrected for flush deck if required) = 21.30
Corrected for Coefficient = 86 + .68 / 1.36 = 1.54 / 1.36 = 24.12
Correction for Depth ...
Correction for Superstructures ...
Correction for Sheer ... 10.13
Correction for Camber ... 1.27
Correction for Thickness of deck ...
Correction for Scantlings, etc. ...
Summer Freeboard = 35.52

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

Tropical Fresh Water Line (above center of Disc)		Tropical Fresh Water Freeboard	2' - 11 1/2"
Fresh Water Line Intermediate below	2 1/4"	Fresh Water Intermediate	3' - 1 3/4"
Tropical Line		Tropical	3' - 4"
Winter Line (below)	4 1/2"	Winter	
Winter North Atlantic Line		Winter North Atlantic	

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