

UNATED TWO
50119
Rpt. C.11 (Comp.)

LLOYD'S REGISTER OF SHIPPING

UNITED WITH THE BRITISH CORPORATION REGISTER

SURVEYS FOR FREEBOARD

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

For LONDON OFFICE ONLY

Received
Index No.
Govt. Copy
Owners C11

Ship's Name " UNITED NINE "	Official Number ✓	Nationality and Port of Registry PAKISTANI CHITTAGONG	Gross Tonnage 205	Date of Build 10,63
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Port of Survey KARACHI

Date of Survey OCTOBER 1963

Surveyor's Signature Amac Lead

Particulars of Classification Contemplated
+100A DUMB BARGE for limited service

Moulded Dimensions: Length 114'-0" Breadth 24'-0" Depth 9'-0"
Freeboard Length 106'-5"
Moulded displacement at moulded draught = 85 per cent. of moulded depth 492 tons
(excluding bossing)
Coefficient of fineness for use with Tables .881

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	9'-0"	(a) Where D is greater than Table depth (D-Table depth) R =		Moulded Breadth (B)	24.00
Stringer plate	0.03'	(9.03 - 7.09) × .819 = + 1.59"		Standard Round of Beam = $\frac{B \times 12}{50} =$	5.7" 5.76
Wood Sheathing on exposed deck	-	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =		Ship's Round of Beam $E_{R.W.} =$	4.0" 3.00
$T \left(\frac{L-S}{L} \right) =$				Difference	1.7" -2.76
Depth for Freeboard (D) =	9.03'	If restricted by superstructures		Restricted to	
				Correction = $\frac{Diff}{4} \times \left(1 - \frac{S_1}{L} \right) =$	$\frac{2.76}{4} = +0.69"$

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					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total					

NONE

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 = NIL

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	20.64	1			24"	24	1		24
1/4L from A.P.		4			0	0	4		0
2/4L		2			0	0	2		0
Amidships	0	4	0	0	0	0	4	0	0
3/4L from F.P.		2			0	0	2		0
1/4L		4			0	0	4		0
F.P.		1			24"	24	1		24
Total				185.76					

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 = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{137.76}{18} \times .75 = +5.74$
If limited on account of midship superstructure. If limited to maximum allowance of 1 1/2 ins. per 100ft.

<p>Deduction for Tropical Freeboard.</p> <p>Addition for Winter and Winter North Atlantic Freeboard.</p> <p>Depth to Freeboard Deck = 9.03 Ft.</p> <p>Summer freeboard = 1.83</p> <p>Moulded draught (d) = 7.20</p> <p>Keel allowance = _____</p> <p>Extreme draught = _____</p> <p>Deduction for Tropical freeboard and addition for = _____</p> <p>Winter freeboard = $\frac{d}{4}$ inches = 1.80 = 1 3/4"</p> <p>Addition for Winter North Atlantic Freeboard (if required) = _____</p>	<p>Deduction for Fresh Water.</p> <p>Displacement in salt water at summer load water line (7.3")</p> <p>$\Delta = 462$ tons</p> <p>Tons per inch immersion at summer load water line</p> <p>T = 6.00</p> <p>Deduction = $\frac{\Delta}{40 T}$ inches = 1.925 = 2"</p>	<p>TABULAR FREEBOARD corrected for Flush Deck (if required) <u>12.24</u></p> <p>Correction for coefficient $\frac{1.561}{1.36}$ <u>14.05</u></p> <table border="1"> <tr><td>+</td><td>-</td></tr> <tr><td>Depth Correction</td><td>1.59</td></tr> <tr><td>Deduction for superstructures</td><td>-</td></tr> <tr><td>Sheer correction</td><td>5.74</td></tr> <tr><td>Round of Beam correction</td><td>.69</td></tr> <tr><td>Correction for Thickness of Deck amidships</td><td>-</td></tr> <tr><td>Other corrections, scantlings, etc.</td><td>-</td></tr> <tr><td>8.02</td><td>+ 8.02</td></tr> </table> <p>Summer Freeboard = 22.07</p> <p style="text-align: right; font-size: 2em;">22/10/63</p>	+	-	Depth Correction	1.59	Deduction for superstructures	-	Sheer correction	5.74	Round of Beam correction	.69	Correction for Thickness of Deck amidships	-	Other corrections, scantlings, etc.	-	8.02	+ 8.02
+	-																	
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8.02	+ 8.02																	

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

Tropical Fresh Water Line above Centre of Disc	3 3/4"	Tropical Fresh Water Freeboard	1'-6 1/4"
Fresh Water Line	2"	Fresh Water	1'-8"
Tropical Line	1 3/4"	Tropical	1'-8 1/4"
Winter Line below	-	Winter	Not assigned
Winter North Atlantic Line	-	Winter North Atlantic	Not assigned

29 OCT 1963

1'-10" "FOR SERVICE"
Lloyd's Register Foundation

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.

Trade of ship CHITTAGONG HARBOUR LIMITS

Names of sister ships 50119 UNITED TWO 50313 THREE 50415 FOUR

Builder's name and yard number KARACHI SHIPYARD & ENGINEERING WORKS. No S/61 AEB

Owners UNITED ORIENTAL S.S. CO LTD

Fee £ _____

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950," paragraph 11.)

1 - 'MIDSHIP SECTION'



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