

AMENDED

Index No. 40031
(For London Office only.)

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.

(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

Ship's Name MELTEM	Official Number	Nationality and Port of Registry TURKISH ISTANBUL	Gross Tonnage	Date of Build 1949	Port of Survey TRIESTE
Moulded Dimensions: Length 80.00 Breadth 15.78 Depth 5.83					Date of Survey 17.3.49.
Moulded displacement at moulded draught = 85 per cent. of moulded depth.....tons					Surveyor's Signature.....
Coefficient of fineness for use with Tables .77					Particulars of Classification A with freebd.

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 5.83	(a) Where D is greater than Table depth (D - Table depth) R = (5.85 - 5.33) .615 = +.32"	Moulded Breadth (B) 15.78
Stringer plate02	(b) Where D is less than Table depth (if allowed) (Table depth - D) R =	Standard Round of Beam = $\frac{B \times 12}{50} =$ 3.79"
Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$	If restricted by superstructures	Ship's Round of Beam = 7.00"
Depth for Freeboard (D) = 5.85		Difference +3.21"
		Restricted to
		Correction = $\frac{\text{Diff.}}{4} \times \left(1 - \frac{S_1}{L} \right) = \frac{3.21}{4} \times .6938 = -.56"$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed	24.50	24.50	4.40	4.40	17.97
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total	24.50	24.50			17.97

Standard Height of Superstructure **6.00'**

" " R.Q.D. **✓**

Deduction for complete superstructure **14.00"**

Percentage covered $\frac{S}{L} =$ **30.62**

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

" " $\frac{E}{L} =$ **22.46**

Percentage from Table, Line A. **11.23**

(corrected for absence of forecastle (if required)) **6.23**

Percentage from Table, Line B. **✓**

(corrected for absence of forecastle (if required))

Interpolation for bridge less than .2L (if required) **✓**

Deduction = **14.00 × .0623 = -.87"**

SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P.	18.00	1	18.00	9.80	9.80	1	9.80
$\frac{1}{2}$ L from A.P.	8.01	4	32.04	1.60	1.60	4	6.40
$\frac{2}{3}$ L "	1.98	2	3.96	-.40	-.40	2	-.80
Amidships	-	4	-	-	-	4	
$\frac{2}{3}$ L from F.P.	3.96	2	7.92	6.00	3.96	2	7.92
$\frac{1}{2}$ L "	16.02	4	64.08	17.60	16.02	4	64.08
F.P.	36.00	1	36.00	35.00	36.00	1	36.00
Total			162.00				123.40

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{38.60}{18} (.75 - .1531) = +1.28"$

If limited on account of midship superstructure. **.5969** If limited to maximum allowance of $1\frac{1}{2}$ ins. per 100 ft.

Deduction for Tropical Freeboard.

Addition for Winter and Winter North Atlantic Freeboard.

Ft.
Depth to Freeboard Deck = **5.85**
Summer freeboard = **1.23**
Moulded draught (d) = **4.62**

Deduction for Tropical freeboard and addition for

Winter freeboard = $\frac{d}{4}$ inches = **1.155 = $1\frac{1}{4}$**

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

= **$1\frac{1}{2}"$**

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient **.77 + .68 = 1.45 / 1.36**

	+	-
Depth Correction32	
Deduction for superstructures87
Sheer correction	1.28	
Round of Beam correction56
Correction for Thickness of Deck amidships		
Other corrections, scantlings, etc. corresponding to a summer moulded draught of 4.62 feet.	6.05	
	7.65	1.43
Summer Freeboard =	14.75	

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

Tropical Fresh Water Line above Centre of Disc **not assigned**
Fresh Water Line " " **$1\frac{1}{2}" = 38$ mm**
Tropical Line " " **not assigned**
Winter Line below " " **$1\frac{1}{4}" = 32$ mm**
Winter North Atlantic Line " " **not assigned**

Tropical Fresh Water Freeboard **✓**
Fresh Water " **✓**
Tropical " **✓**
Winter " **✓**
Winter North Atlantic " **✓**

$1' - 2\frac{3}{4}" = 375$ mm
 $1' - 1\frac{1}{4}" = 337$ mm

$1' - 4" = 407$ mm

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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.

Trade of ship For service in the Bosphorus

Names of sister ships ✓

Builder's name and yard number Cantiere Belli SA Venice

Owners Kadri Benani

Fee £ _____



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