



PHOENIX REGISTER OF SHIPPING

SUEZ CANAL SPECIAL TONNAGE CERTIFICATE

Cert Nr: PHRS/TON/SUEZ/958736823/12757/22088

ISSUED AT OWNER'S REQUEST
Details of tonnage for a ship passing through the Suez Canal

Name of Ship	Signal Letters	Port of Registry	Official Number	Tonnage on International Tonnage Certificate	
				Gross	Net
MARIS	T8A4083	MALAKAL HARBOR	P046689	6178	3450

DETAILS OF TONNAGE

For the above-named Ship when passing through the Suez Canal

The spaces measured for Gross Tonnage in this Ship comprise the following and no others, viz.:

- Space under the Tonnage Deck, including part of double bottom compartment available for oil drain tank 3.57 Tons
- Space or Spaces between the Tonnage Deck and the uppermost deck:

Lower' Tween Deck _____
Upper' Tween Deck _____

- Closed-in spaces in permanent constructions above the uppermost deck, viz.:

Space between uppermost deck and shelter deck with side openings

Forecastle _____
Bridge Space _____

Poop _____

Break or breaks _____ tons Trunk _____ tons

Round Houses 1st Tier 481,07 tons _____ tons _____ tons _____ tons _____ tons

-II- 2nd Tier 131,98 tons _____ tons _____ tons _____ tons _____ tons

-II- 3rd Tier 144,77 tons _____ tons _____ tons _____ tons _____ tons

-II- Upper Tiers _____ tons _____ tons _____ tons _____ tons _____ tons

Side Houses _____ tons _____ tons _____ tons _____ tons _____ tons

Hatchways _____ tons _____ tons _____ tons _____ tons _____ tons

-II- _____ tons _____ tons _____ tons _____ tons _____ tons

Total _____ tons One half per cent of the Gross Tonnage _____ tons Excess

Total of Tonnage of closed-in spaces above the uppermost deck

Gross Tonnage

Note. For particulars of spaces not included in the measurement for Gross Tonnage, see page 3.

DEDUCTIONS FROM GROSS TONNAGE (DETAILS ON PAGE 2)

Net Tonnage (if a Sailing Ship)

FURTHER DEDUCTIONS FOR PROPELLING POWER IN THE CASE OF STEAMERS:

Either (1) applicable to Ships with fixed Bunkers-

(a) Engine Room as measured. This includes watertight shaft trunk and all spaces set apart for the working of the machinery and boilers viz.: under Tonnage Deck _____ * tons. In 'tween decks _____ tons

In _____ on the uppermost deck _____ tons

* Including part of double bottom compartment available for oil drain tanks _____ tons

(b) Permanent _____ Bunkers as measured _____ tons

Total deduction for propelling power** _____

Net Tonnage of Steamer by actual measurement

Or (2) Danube Rule-

(a) Engine Room as measured. This includes watertight shaft trunk and all spaces set apart for the working of the machinery and boilers viz.: under Tonnage Deck 685.44 * tons. In 'tween decks _____ tons

In _____ on the uppermost deck _____ tons

* Including part of double bottom compartment available for oil drain tanks _____ tons

(b) Permanent _____ Bunkers as measured _____ tons

(b) In a Screw Steamer +75% of Engine Room as measured 514.08

Arts 14 and 16 of Appendix B to the Regulations

(c) In a Paddle Steamer +50% of Engine Room as measured _____

Total deduction for propelling power** _____

Net Tonnage of Steamer by Danube Rule

** This deduction is not, except in the case of Tugs, to exceed 50 per cent of the Gross

THIS IS TO CERTIFY that the palauian Ship above-named has been measured, and that the Tonnage ascertained as above is in accordance with the Rules (Nationality)

adopted by the International Tonnage Commission at Constantinople.

Given under my hand at Piraeus / Greece this 24 day of November 2023

For the

PHOENIX REGISTER OF SHIPPING
Th. G. Tsorakos / Deputy Technical Director



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DEDUCTIONS FROM GROSS TONNAGE

1. Berthing accommodation of Crew:

Apprentices _____ tons	Donkeyman _____ tons	Cooks _____ tons	Fire Personnel _____ tons	Motormen _____ tons
Boatswain _____ tons	_____ tons	_____ tons	_____ tons	_____ tons
Carpenter _____ tons	Firemen _____ tons	_____ tons	_____ tons	Engr's Storekeeper _____ tons
Seamen 50.49 tons	_____ tons	_____ tons	_____ tons	_____ tons
Crew WC 14.13 tons	_____ tons	Stewards _____ tons	Painters _____ tons	_____ tons
Crew Mess 17.57 tons	Greasers _____ tons	_____ tons	_____ tons	_____ tons
_____ tons	_____ tons	_____ tons	_____ tons	_____ tons
_____ tons	_____ tons	_____ tons	_____ tons	_____ tons
Passageways 21.99 tons	Passageways _____ tons	Passageways _____ tons	_____ tons	_____ tons
Lockers _____ tons	Lockers _____ tons	Lockers _____ tons	_____ tons	_____ tons
Apprents' Messm _____ tons	Seamen's Messm _____ tons	Firemen's Messm _____ tons	Steward's Messm _____ tons	Hospital _____ tons
_____ tons	Seamen's Pantry _____ tons	Firemen's Pantry _____ tons	Steward's Pantry _____ tons	Surgery _____ tons
_____ tons	_____ tons	_____ tons	_____ tons	Dispensary _____ tons
Apparents' Bathm _____ tons	Seamen's Bathm _____ tons	Firemen's Bathm _____ tons	Steward's Bathm _____ tons	Medicine Locker _____ tons
Apparents' Washplace _____ tons	Seamen's Washplace _____ tons	Firemen's Washplace _____ tons	Steward's Washplace _____ tons	_____ tons
Drying Room _____ tons	Drying Room _____ tons	Drying Room _____ tons	_____ tons	_____ tons
Lobby _____ tons	Lobby _____ tons	_____ tons	_____ tons	_____ tons

Tons of 100 cubic feet

104.18

2. Berthing of Officers:

Chief Officer 11.93 tons	Chief Engineer 5.00 tons	Boilermaker _____ tons	Cadets _____ tons	Doctor _____ tons
Ch. Offr's Office _____ tons	Ch. Engr's Office 8.94 tons	Joiner _____ tons	_____ tons	_____ tons
2nd Officer _____ tons	2nd Engineer 19.88 tons	Electrician _____ tons	_____ tons	Chief Steward _____ tons
3rd Officer _____ tons	3rd Engineer 19.88 tons	Fitter _____ tons	Wireless Operator _____ tons	_____ tons
4th Officer _____ tons	4th Engineer _____ tons	Plumber _____ tons	_____ tons	_____ tons
_____ tons	5th Engineer _____ tons	_____ tons	Passageways _____ tons	_____ tons
_____ tons	6th Engineer _____ tons	_____ tons	_____ tons	_____ tons
Passageways _____ tons	Passageways _____ tons	Passageways _____ tons	_____ tons	_____ tons
Lockers _____ tons	Lockers _____ tons	_____ tons	_____ tons	_____ tons
Officer's Messm 18.83 tons	Engr's Messm _____ tons	Petty Offrs' Messm _____ tons	_____ tons	_____ tons
Officer's Pantry _____ tons	Engr's Pantry _____ tons	Petty Offrs' Pantry _____ tons	_____ tons	_____ tons
Offr's Smoke Room 7.95 tons	_____ tons	_____ tons	_____ tons	_____ tons
Offr's Bathm _____ tons	Engr's Bathm _____ tons	Petty Offrs' Bathm _____ tons	Ch. Engr's Bathm _____ tons	_____ tons
Offr's Washplace _____ tons	Engr's Washplace _____ tons	Petty Offrs' Washplace _____ tons	_____ tons	_____ tons
Lobby _____ tons	Lobby _____ tons	Lobby _____ tons	_____ tons	_____ tons

65.63

26.78

3. Berthing of Master:

Master Day Cabin 5.01 tons	Night Cabin 8.94 tons	Bathroom _____ tons	W.C. 3.82 tons	Passageways _____ tons
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17.77

4. Galleys, Bakeries, Laundry, Refrigerating Machinery, Disinfecting, distilling and Ventilating Apparatus, Water closets and Lavatories exclusively for the use of the Officers and Crew:

Bakery _____ tons	Disinfecting apparatus _____ tons	
Scullery _____ tons	Distilling apparatus _____ tons	
Galley 14.36 tons	Laundry machinery _____ tons	
Hospital 7.16 tons	Refrigerating machinery _____ tons	
_____ tons	Ventilation Units _____ tons	
_____ tons	_____ tons	
_____ tons	Fire Extinguishing plant _____ tons	
_____ tons	_____ tons	
Passageways 51.68 tons	Passageways _____ tons	
Offrs' Lavatory _____ tons	Seamen's Lavatory _____ tons	Firemen's Lavatory _____ tons
Officers W.C. _____ tons	Seamen's W.C. _____ tons	Firemen's W.C. _____ tons
Engrs's Lavatory _____ tons	Stewards' Lavatory _____ tons	Greasers' Lavatory _____ tons
Engrs's W.C. 7.49 tons	Stewards' W.C. _____ tons	Greasers' W.C. _____ tons
P.O. s' Lavatory _____ tons	_____ tons	Motormen's Lavatory _____ tons
_____ tons	_____ tons	Motormen's W.C. _____ tons

80.69

5. Closed-in spaces above the uppermost deck used in working the Ship, as follows:

Chart house _____ tons	Look-out houses _____ tons	Signal-house _____ tons	Anchor-Gear space _____ tons
Wheel-house _____ tons	Steam Steering houses _____ tons	Wireless telegraphy space _____ tons	Lamp Room _____ tons
Gyro Compass space _____ tons	Windlass Gear _____ tons	Search light space _____ tons	Master's Bridge space _____ tons
Emergency Dynamo _____ tons	Capstan Gear _____ tons	Chain locker _____ tons	Navigating Bridge space _____ tons
Passageways _____ tons	_____ tons	_____ tons	_____ tons

TOTAL

295.05

10 PER CENT OF THE GROSS TONNAGE 654.67 tons

TOTAL DEDUCTIONS PERMISSIBLE 295.05 tons

FULL DIMENSIONS AND TONNAGE OF EXEMPTED AND OPEN SPACES

PARTICULARS OF DECK SPACES	TONS	PARTICULARS OF EXEMPTED SPACES	TONS
1st TIER			
main deck : 2.44 x 11.58 x 2.50 = 70.61 m3	24.95		
6.00 x 12.50 x 2.50 = 187.50 m3	66.25		
5.10 x 13.80 x 2.50 = 175.95 m3	62.17		
cargo hatch : 25.20 x 12.80 x 1.50 = 483.84 m3	170.97		
23.10 x 12.80 x 1.50 = 443.52 m3	156.72		
2nd TIER			
boat deck : 12.45 x 12.00 x 2.50 = 373.50 m3	131.98		
3rd TIER			
captain deck : 10.45 x 12.00 x 2.50 = 313.50 m3	110.78		
funnel : 5.20 x 3.70 x 5.00 = 96.20 m3	33.99		
4ht TIER			
NAV. BR. DK : 6.70 x 8.40 x 2.50 = 140.70 m3	49.72		

PASSAGEWAYS LEADING TO DEDUCTED SPACES			TONNAGE OF DOUBLE BOTTOM COMPARTMENTS AVAILABLE FOR THE CARRIAGE OF OIL			
NAME AND LOCATION	DIMENSIONS IN metres feet	TONS	NAME OR NUMBER	CUBIC METRES metres feet	TONS	
Passageways			No. 1 F.O.T. (C) Fr. 76 - 105	189.95 m3	67.12	
19.15 x 1.30 x 2.50 = 62.24 m3		21.99	No. 2 F.O.T. (C) Fr. 54 - 76	142.75 m3	50.44	
22.50 x 1.30 x 2.50 x 2 = 146.25 m3		51.68	No. 3 F.O.T. (P) Fr. 25 - 54	75.56 m3	26.70	
			D.O.T. (S) Fr. 25 - 54	75.56 m3	26.70	

FULL DIMENSION UNDERDECK TONNAGE

DIMENSIONS IN METERS	TONS	DIMENSIONS IN METERS	TONS
<p>Transom D = 6.72 m h = 1.68 m B/2 Coef Prod 4.33 1 4.33 3.84 4 15.36 2.95 2 5.90 1.77 4 7.08 0.00 1 0.00 Sum = 32.67</p> <p>Area = $1/3 \times 1.68 \times 32.67 = 18.30 \text{ m}^2$</p> <p>Fr 6 D = 10.26 m h = 1.71 m B/2 Coef Prod 6.61 1 6.61 6.61 4 26.44 5.39 2 10.78 4.23 4 16.92 2.06 2 4.12 0.30 4 1.20 0.00 1 0.00 Sum = 66.07</p> <p>Area = $1/3 \times 1.71 \times 66.07 = 37.66 \text{ m}^2$</p> <p>Fr 20 D = 11.60 m h = 1.93 m B/2 Coef Prod 9.10 1 9.10 8.72 4 34.88 8.10 2 16.20 7.48 4 29.92 6.36 2 12.72 4.53 4 18.12 2.42 1 2.42 Sum = 123.36</p> <p>Area = $1/3 \times 1.93 \times 123.36 = 79.50 \text{ m}^2$</p> <p>Fr 32 - 44 - 56 - 68 - 80 - 92 - 104 D = 11.60 m h = 1.93 m B/2 Coef Prod 9.10 1 9.10 9.10 4 36.40 9.10 2 18.20 9.10 4 36.40 9.10 2 18.20 9.10 4 36.40 9.10 1 9.10 Sum = 163.80</p> <p>Area = $1/3 \times 1.93 \times 163.80 = 105.56 \text{ m}^2$</p> <p>Fr 116 D = 11.60 m h = 1.93 m B/2 Coef Prod 7.31 1 7.31 6.43 4 25.72 5.66 2 11.32 5.05 4 20.20 4.60 2 9.20 4.23 4 16.92 3.88 1 3.88 Sum = 94.55</p> <p>Area = $1/3 \times 1.93 \times 94.55 = 60.93 \text{ m}^2$</p>		<p>Fr 129 D = 11.60 m h = 1.93 m B/2 Coef Prod 6.37 1 6.37 4.78 4 19.12 3.55 2 7.10 2.93 4 11.72 2.58 2 5.16 2.31 4 9.24 1.21 1 1.21 Sum = 59.92</p> <p>Area = $1/3 \times 1.93 \times 59.92 = 38.62 \text{ m}^2$</p> <p>Fr F.E. D = 11.60 m h = 1.93 m Area = 0.00 m²</p> <p>Volume d = 100.68 m h = 8.39 m Fr. Area Coef Prod A.E. 18.30 1 18.30 6 37.66 4 150.64 20 79.50 2 159.00 32 105.56 4 422.24 44 105.65 2 211.12 56 105.65 4 422.24 68 105.65 2 211.12 80 105.65 4 422.24 92 105.65 2 211.12 104 105.65 4 422.24 116 60.93 2 121.86 129 38.62 4 154.48 F.E. 0.00 1 0.00 Sum = 2926.60</p> <p>Volume = $2 \times 1/3 \times 8.39 \times 2926.60 = 16369.42 \text{ m}^3$</p> <p>Bulbus</p> <p>Fr 136 D = 6.40 m h = 3.20 m B/2 Coef Prod 0.00 1 0.00 1.30 4 5.20 0.00 1 0.00 Sum = 5.20</p> <p>Area = $1/3 \times 3.20 \times 5.20 = 5.55 \text{ m}^2$</p> <p>Fr 138 D = 4.80 m h = 2.40 m B/2 Coef Prod 0.00 1 0.00 1.60 4 6.40 0.00 1 0.00 Sum = 6.40</p> <p>Area = $1/3 \times 2.40 \times 6.40 = 5.12 \text{ m}^2$</p> <p>Volume d = 3.05 m h = 1.53 m Fr. Area Coef Prod 136 5.55 1 5.55 138 5.12 4 20.48 F.E. 0.00 1 0.00 Sum = 26.03</p> <p>Volume = $2 \times 1/3 \times 1.53 \times 26.03 = 13.23 \text{ m}^3$</p>	<p>5784.25</p> <p>4.67</p> <p>Total 5788.92</p>