

Suez Canal Calculator

User Guide

Version: 3.1





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Suez Canal Transit Calculator

Integrated Software which calculates vessel's Suez Canal transit expenses. The most accurate and precise way of calculation just the same way as local authorities calculate considering new tariffs which shall come into force as of the beginning of May, 2015.

Suez Canal Transit Calculation System has been designed specially to meet the requirements of shipping lines management, owners, charters, operators and brokers in order to facilitate the way of determining vessels' expenses for passing Suez Canal.

Suez Canal Transit Calculation System is based on the latest rules, regulations, decrees and tariffs issued by the official authorities.

As a comprehensive solution its calculation is not only numbers and algorithms of tariffs but also based on ships condition and its state of navigability for passing Suez Canal which influence tolls, and of course rebates and deductions granted by S.C.A and local authorities to vessels transiting.

Latest Suez Canal Transit Calculator version enables the user to change the calculation base directly on the software once any change of rates that control tolls are announced by S.C.A.



Essential Information

Ships' state of navigability according Suez Canal rules which influence expenses.

Suez Canal Calculator Software prompts user to choose from various conditions that vessel represents to stand on the charges that might be paid in regard to vessel condition.

By clicking the OK button even if not any of the conditions selected the system will consider vessel not representing any of the listed conditions and a green sentence will show up as vessel's navigability verified.



Transit Dues

Suez Canal Calculator takes the user through 10 steps for collecting the required information that affect charges which are shown at the left list to display the Proforma D/A that would be paid for transiting the Suez Channel.

Transit Dues step shall collect important information about vessel's type, tonnage, load, particulars and nature of cargo in order to calculate transit dues which will be the most accurate and closest to actual expenses to be paid to Suez Canal authority.



Please refer to Suez Canal Rules of Navigation for more details



Mooring & Unmooring

Collecting required information about mooring and unmooring services that vessel will use such as number of boats, mooring positions and extra mooring hours.

Mooring & Unmooring

GRT

Eastern Channel
 Western Channel

Mooring one/two launch with crew. [Compulsory]

Mooring "Manila Ropes" [Compulsory]

Making Fast inner harbour

Mooring and Unmooring

Projector & Electrician

Collecting required information about projector being used for passing the Suez Channel which is compulsory and could be hired from Mooring and Unmooring Company which is an affiliate company to S.C.A.

Projector Electrician

Using Suez canal Projector

Suez Canal Electrician [Compulsory]

Important Note

Projectors are compulsory for transit and normally hired from the local company. LPG_LNG tankers should be equipped with own projectors conform to the Suez Canal Authority's rules of Navigation, and said projector should be gastight. It is also recommended by the S.C.A. that all vessels having a bulbous also have their own projector fitted on board.

Projector and Electrician 545.00

Pilotage Dues

Collecting information regarding vessel's gross tonnage, pilotage areas and pilotage operation time which are all affecting charges.

Pilotage Dues

Suez Canal Net
 Pilotage Time [N/B]
 Shifts [N/B]

Direction
 Day
 Night

From Outside Harbour To Berths Inside. [S/B]

Canal Entrance [Strait Areas] [S/B] - Default movement

In Port Areas and Areas of Dry and Floating Docks. [S/B]

Pilotage operation between sunset and sunrise [50% Augmented]

Pilotage Dues 311.60



Port Dues

Prompting the user to describe vessel's direction, particulars and date of transit in order to calculate port dues and administration fees to the favor of ministry of transportation.

Light Dues

Collecting information about vessel's Suez Canal net tonnage (SCNT) and date of transit to calculate light dues of Port Said and Suez Ports.

Immigration, Police, Quarantine and Customs Fees

3 final steps to check required services such as crew changes, vaccinations, etc. in order to calculate charges in addition to the fixed charges for regular transit.



Proforma D/A

Summarizing all above fees into one combined form with a total of what the vessel operator/owner has to pay to transit the Suez Canal.

Vessel Information	
Vessel Name:	TGHEH WARDI THOLM
In: SNT:	3233 SONT: 2323
SOA:	1.5 SATE: 10/10/2011

Item	Amount
Transit Fees	\$1,411.00
Manning and Unmanning	1,100.00
Projector Electrician	100.00
Pilotage Fees	271.00
Port Fees	1,000.00
Light Fees	100.00
Immigration, Police	10.00
Quarantine Fees	20.00
Customs Fees	20.00
Total	\$5,364.00

Amount in Text: Thirty One Thousand Three Hundred and Eighty Five Dollars and Only Three Cents.

Calculation base: Transit Rates

Calculation Base of Suez Channel charges is based on rates that depend on vessel's SCNT (Suez Canal Net Tonnage) and vessel's type whether for loaded or ballast vessels, Suez Canal Calculator enables the user to change the base himself once the rates are changed by the officials.

Ballast Rates							
	100000	200000	300000	400000	500000	600000	Over
Ballast of Crude Oil	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Ballast of Petroleum Products	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Oil Tank Carriers	4.70	4.20	3.40	2.20	1.30	1.00	0.90
LPG Carriers	4.70	4.20	3.40	2.40	1.50	1.20	1.10
LPG Carriers	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Chemical and Other Liquid B.A.	7.00	4.00	4.10	3.10	2.10	1.40	1.40
Container Ships	4.70	4.20	3.40	2.40	1.50	1.20	1.10
General Cargo Ships	4.70	4.20	3.40	2.40	1.50	1.20	1.10
AG - RO Ships	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Vehicle Carriers	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Passenger Ships	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Special Floating Units	4.70	4.20	3.40	2.40	1.50	1.20	1.10
Other Vessels	7.00	4.00	3.40	2.40	1.50	1.20	1.10

Loaded Rates							
	100000	200000	300000	400000	500000	600000	Over
Crude Oil	7.00	4.30	4.10	3.10	2.10	1.40	1.40
Ballast of Petroleum Products	7.00	4.30	4.10	3.10	2.10	1.40	1.40
Oil Tank Carriers	7.00	4.30	4.10	2.40	1.30	1.20	1.20
LPG Carriers	7.00	4.30	4.10	2.40	1.30	1.20	1.20
LPG Carriers	7.00	4.30	4.10	2.40	1.30	1.20	1.20
Chemical and Other Liquid B.A.	8.20	5.00	4.80	3.80	2.80	2.00	2.00
Container Ships	7.00	4.30	4.10	2.40	1.30	1.20	1.20
General Cargo Ships	7.00	4.30	4.10	2.40	1.30	1.20	1.20
AG - RO Ships	7.00	4.30	4.10	2.40	1.30	1.20	1.20
Vehicle Carriers	7.00	4.30	4.10	2.40	1.30	1.20	1.20
Passenger Ships	7.00	4.30	4.10	2.40	1.30	1.20	1.20
Special Floating Units	8.20	5.20	4.80	3.80	2.80	2.00	2.00
Other Vessels	8.20	5.10	4.70	3.70	2.70	2.00	2.00

Useful Links

Suez Canal Calculator brings some of the most useful information related to Suez Canal in order to facilitate user's understanding of passage operation and navigation rules.

Suez Canal Calculator

Navigation Menu:

- Start
- Transit Fees
- Manning Unmanning
- Projector Electrician
- Pilotage Fees
- Port Fees
- Light Fees
- Immigration, Police
- Quarantine Fees
- Customs Fees
- Transit

Calculation Area:

Suez Canal Net: 3233 (Portage Time [Days]) (Ships [Days])

Direction: [Suez Canal] # Day of Height: 1

Options:

- From Outside Harbour To Berth Inside [Suez]
- Canal Entrance (Straight Ahead) [Suez] - Outbound Measurement
- In Port Area and Area of Day and Floating Docks [Suez]
- Pilotage operation between canal and outside [Suez] Augmented

Pilotage Fees: \$1,411.00

Right Panel Links:

- Suez Canal Authority Official Website
- Traffic System
- Rules of Navigation
- Navigation Guidelines
- Subsidies
- Traffic Schedules



Registration

The Demo users are recommended to register the software in order to receive the latest news and updates, please refer to GSI Technologies Privacy Policy at www.gsiegypt.com.

Anyhow, Software prompting the user for registration at the end of the calculation wizard and after the user has tried all software functions and got the Proforma D/A amount summary.



Activation

The licensed copy of Suez Canal Calculator is corresponding to user's machine's fingerprint which can't use user's credentials at any other PCs as shown on the activation form a user ID represents user's machine ID and the activation code is the correspondent license code.

To get your copy licensed the user ID should be sent to GSI Technologies to get the correspondent Key.



Demo

The Demo version enables the user to try using the software for 5 times with limited functionality of calculation such as limited vessel's tonnages and using only some of the software features.

Thank you for using Suez Canal Calculator

