

# TANKERS USED TO TRANSPORT CRUDE OIL (OR LIQUEFIED NATURAL GAS - LNG)

## Aframax Tanker



A tanker that is usually used on shorter trades to move crude oil. Even when fully laden, these tankers can pass through the Panama and Suez Canals. A typical Aframax tanker carries about 700,000 barrels of oil. Approximate dimensions of a typical vessel (these vary greatly) Length : 220m; Beam : 40m; Draught : 14m Deadweight :100 000 tons.

## Suezmax Tanker



A crude oil tanker that can pass through the Suez Canal fully laden, but not through the original locks in the Panama Canal. A typical Suezmax tanker carries about 1,000,000 barrels of oil or more, depending on the actual size of the ship. Approximate dimensions of a typical vessel (these vary greatly) Length : 250m; Beam : 48m; Draught : 14m; Deadweight : 150 000 tons.

## VLCC



Very Large Crude Carrier. A crude oil tanker that is too large to pass through either the Panama or Suez Canals when fully laden. A typical VLCC carries over 2,000,000 barrels of oil or more, depending on the actual size of the ship. Approximate dimensions of a typical vessel (these vary greatly) Length : 250 – 310m; Beam : 55m; Draught : 19m; Deadweight : 250 000 tons.

## ULCC



Ultra Large Crude Carrier. A large crude oil tanker that is too large to pass through the Panama or Suez Canals fully laden, and is larger than a VLCC. A typical ULCC carries more than 3,000,000 barrels of oil. Few of these vessels are in service now. Approximate dimensions of a typical vessel (these vary greatly) Length : 320m+; Beam : 60m; Draught : 20m+; Deadweight : 320 000+ tons.

## Products tanker



A vessel that carries refined oil products in specially-outfitted cargo tanks. Cargo often comprises petrol (mogas), diesel, kerosine, ships' fuel, aviation fuel (avgas) and/or liquid chemicals. Approximate dimensions (these vary greatly) Length : varies, from 40m - 200m; Beam and draught vary according to the size and role of the vessel; Deadweight : This varies according to the size of the tanker, but typically is from about 1 000 tons to 45 000 tons.

## LNG Tanker



A vessel that is designed to carry liquefied natural gas at a temperature of about -163 degrees Celsius. In modern LNG carriers, the tanks are specially constructed and lined with a special membrane. Capacity varies greatly and is given in cubic metres. *NOTE: An LPG Tanker is designed to carry Liquefied Petroleum Gas (LPG).*

## Loading/Discharging Liquid Cargoes



Heavy, reinforced hoses are used to load and discharge liquid cargoes. In this sequence, a tanker crew is connecting a hose to a manifold on the tanker through which the cargo will pass.

## Small Bulk Terminal in Cape Town



Several types and grades of oil products are stored in these tanks in Cape Town.

This poster was commissioned by the French Embassy in South Africa, Lesotho and Malawi in support of the strengthening of maritime education in South Africa



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