

# M/T Tern Ocean

› <http://terntank.com/ship/m-t-tern-ocean/>



## GENERAL:

**Builder:** Avic Dingheng Shipbuilding co. LTD, Cina 2017

**Class notation:** BV XHULL, XMACH, OIL Tanker, Chemical Tanker Dualfuel,ESP, Unrestricted Navigation, ICE CLASS 1A, XAUT-UMS, SYSNEQ, MON-SHAFT, VCS, INWATERSURVEY, CLEANSHIP

## PARTICULARS:

**Imo No:** 9747986

**Flag:** DIS

**Call Sign:** OYBJ2

<b>Length Overall:</b>	147.00 m
<b>Length Between Perpendicular:</b>	143.50 m
<b>Breath (moulded):</b>	22.00 m
<b>Depth (moulded):</b>	11.70 m
<b>Draught (scantling):</b>	9.00 m
<b>Deadweight (at scantling draught):</b>	14.827 t
<b>Gross tonnage:</b>	11.374 t
<b>Net tonnage:</b>	4.780 t
<b>Hull no:</b>	AD0058
<b>Design:</b>	Rolls-Royce Marine AS, type NVC 615 CT
<b>Consumption:</b>	12.0 knots 8.9 tonst LNG/Day
<b>Marine gas oil:</b>	12.0 knots 8.9 tonst LNG/Day
<b>Cargo tank capacity 98%:</b>	16.548m3
<b>Ballast water tanks:</b>	6.636m3
<b>LNG fuel storage tanks:</b>	630m3
<b>Marine gas oil:</b>	610m3
<b>Slop tanks:</b>	242m3
<b>Tech fresh water tanks:</b>	325m3
<b>Urea:</b>	52m3
<b>Tank coating:</b>	MarineLine784
<b>Cargo Pumps:</b>	Deepwell pumps type DW 200/250 multisuction. Frequency controlled 450 m3/h at 120 m.l.c.

**Cargo Alarm & monitoring systems:**

Kongsberg Tank Radar, K-Chief 600 alarm, monitoring & control system, Operator station-OS. Kockumation Loading computer.

**Inertgas System:**

The Inertgas system is using one existing dedicated Thermal oil heater with a burner modified to also be able to generate Inertgas. Capacity 3950 m3/h.

**Nitrogen System:**

A N2 generator, cap. abt. 100 Nm3/h @ 96% N2 installed in ER. N2 buffer tank of about 20 m3 for Cargo handling. Buffer tank serving dual fuel machinery in ER also installed.

**Balast water treatment:**

Panasia GloEn-Patrol? BWMS is a combined treatment system taking advantage of Filter and UV units most environmentally friendly and optimally designed. Treatment Capacity: 1200m3/hr x 1 set

**Bowthruster:**

1 Tunnel Thruster 1650 AUX CP 865 kW 60Hz. DNV Class notation Ice 1A.

**Main Engine:**

Wärtsilä 5RT-flex 50 DF 5.850 kW 102 RPM 2-stroke, low pressure, LNG dual-fuel engine.

**Fuel management:**

Kongsberg fuel performance system, Shaft Torque/Power, Fuel Index, Ships speed, Fuel flowmeters.

**AuxiliaryDiesel:**

GENERATOR SET DATA 3 x Mitsubishi MAS 850-S, 790 kWe @ 1800rpm, 60Hz

**Catamiser:**

Combined exhaust gas heat recovery and SCR for NOx reduction below Tier III

**Shaft Generator:**

Permanent Magnet Shaft Generator with Variable Frequency Drive to allow running the Engine/Propeller in Combinator mode for optimum efficiency. Rated output shaft generator PTO 780 kW / PTI 1000 Kw.