

M/T Tern Sea

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



GENERAL:

Builder: Avic Dingheng Shipbuilding co. LTD, Cina 2016

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: 9747974

Flag: DIS

Call Sign: OYBD2

Length Overall:	147.00 m
Length Between Perpendicular:	143.50 m
Breath (moulded):	22.00 m
Depth (moulded):	11.70 m
Draught (scantling):	9.00 m
Deadweight (at scantling draught):	15.000 t
Gross tonnage:	11.374 t
Net tonnage:	4.780 t
Hull no:	AD0025
Design:	Rolls-Royce Marine AS, type NVC 615 CT
Consumption:	12.0 knots 8.9 tonst LNG/Day
Marine gas oil:	12.0 knots 8.9 tonst LNG/Day
Cargo tank capacity 98%:	16.548m3
Ballast water tanks:	6.636m3
LNG fuel storage tanks:	630m3
Marine gas oil:	610m3
Slop tanks:	242m3
Tech fresh water tanks:	325m3
Urea:	52m3
Tank coating:	MarineLine784
Cargo Pumps:	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.

Ballast 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.