

M/T Tern Sea

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



GENERAL:

Builder: Avic Dingheng Shipbuilding co. LTD, China 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

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|---|--|
| 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.