



**MEO**  
MICLYN EXPRESS OFFSHORE

## MEO SOVEREIGN 1

8200BHP / DP2 / AHTS



### PRINCIPAL PARTICULARS

Year Built	2012
Place Built	PT Loh & Loh Construction, Indonesia
Design	Wartsila Ship Design Singapore
Flag	Singapore
Length Overall	76.00 m
Length BP	67.50 m
Breadth Moulded	18.50 m
Depth Moulded	8.00 m
Draft (max)	6.40 m
Freeboard (SLL)	1600 mm
Class	BV
Notation	I x Hull x Mach, Tug, Fire Fighting Ship 1 - Water Spraying, Special Service - Anchor Handling, Unrestricted Navigation, DYNAPOS AM/AT R
GRT/ NRT	3473.00 T / 1041.00 T
Deadweight	3060.00 T
Bollard Pull	104.80 T

### DECK PARTICULARS

Clear Deck Area	600.00 m <sup>2</sup>
Deck Carrying Load	800.00 T
Deck Strength	5.50 T/m <sup>2</sup>

### PERFORMANCE

Maximum Speed	12.3 Knots
Economic Speed	10.5 Knots

### PROPULSION SYSTEM

Main Engines	2 x General Electric 16V228, 4100 BHP, 3057 kW @ 1050 RPM, Total 8200 BHP
Auxiliary Engines	2 x Cummins KTA38, 880 kW @ 1500 RPM
Emergency Generator	Cummins QSM11-DM, 240 kW @ 1500 RPM
Shaft Generator	2 x Leroy Somer LSAM 51.2 L70, 1500 kW @ 1500 RPM
Air Compressor	2 x 28 m <sup>3</sup> /hr FAD, 30 bar
Bow Thruster	2 x Kamome CPP, 11.5 T/10 T Thrust
Stern Thruster	2 x Kamome CPP, 8 T Thrust
Propellers	2 x Kamome CPP, Fixed Nozzles 4 Bladed
Steering Gear System	2 x Electro Hydraulic (interfaced w DP system)
Rudder	2 x High Lift Type

### TANK CAPACITIES

Fuel Oil	1161.00 m <sup>3</sup>
Fresh Water	716.50 m <sup>3</sup>
Drill Water	1867.00 m <sup>3</sup>
Liquid Mud, Brine	754.00 m <sup>3</sup>
Bilge	11.40 m <sup>3</sup>
Ballast Water	1590.40 m <sup>3</sup>
Methanol	Nil
Dry bulk	249.00 m <sup>3</sup> , 3 x 64.00 m <sup>3</sup> , 1 x 57.00 m <sup>3</sup>

### CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	150 m <sup>3</sup> /hr @ 90 m head
Fresh Water Pump	150 m <sup>3</sup> /hr @ 90 m head
Drill Water Pump	150 m <sup>3</sup> /hr @ 90 m head
Liquid Mud Pump	2 x 100 m <sup>3</sup> /hr @ 90 m head
Brine Pump	150 m <sup>3</sup> /hr
Bilge/Ballast/Fire/GS	100 m <sup>3</sup> /hr
Dry Bulk Compressor	2 x 1200 m <sup>3</sup> /hr @ 5.9 Bar

### DP SYSTEM

DP2, Kongsberg, 2 DGPS, Fanbeam, 3 Anemometers, 2 Motions Sensors, Independent Joystick System

### DECK EQUIPMENT

Anchors & Chain	2 x Stockless Anchor 2350 kg
Tugger Winch	2 x MacGregor Electro Hydraulic 10T @ 15m/min
Capstan	2 x MacGregor Electro Hydraulic 5T @ 15 m/min
Anchor Windlass c/w Bow	MacGregor Electro Hydraulic c/w Double Gypsies and Warping Ends
Crane	SWL 5 T @ 15 m radius

### ANCHOR HANDLING & TOWING EQUIPMENT

AH/Towing Winch	Electro Hydraulic Double Drum Waterfall Type
AH Drum Capacity	2000 x 72 m
Towing Drum Capacity	2000 x 72 m
Spare Reel Drum Cap.	2 x 2000 m (L) x 72 mm (Dia) SWR
Line Pull @ First Layer	250 T @ 6 m/min
Brake Holding	400 T
Towing Pin	300 T
Shark Jaw	350 T
Stern Roller	SWL 400 T, 5.5 m (L) x 2.5 m (Dia)

### ACCOMMODATION

Berths	4 x 1, 28 x 2 Berths
Total Pax	60

### EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	Class 1 Fi-Fi Ship
Fi-Fi Monitors	2 x 1200 m <sup>3</sup> /hr, 120 m from bow
Fi-Fi Pump	2 x 1650 m <sup>3</sup> /hr

### LIFE-SAVING EQUIPMENT

Life Rafts	8 x 20 men, SOLAS Compliant
Rescue Boat c/w Davit	1 x 6 men, 25 HP Outboard Engine, 50 L Fuel, SOLAS Compliant

