

# MEO SOVEREIGN 2

8200BHP / DP2 / AHTS

## PRINCIPAL PARTICULARS

|                 |  |
|-----------------|--|
| Year Built      | 2013   |
| Place Built     | PT Loh & Loh Construction, Indonesia   |
| Design          | Wartsila Ship Design Singapore   |
| Flag            | Panama   |
| 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; Fi-Fi Class 1-Water Spraying; Spec Svc - AHSP60 Unrestric Nav, DYNAPOS AM/AT R |
| GRT/ NRT        | 3473.00 T / 1041.00 T  |
| Deadweight      | 3060.57 T  |
| Bollard Pull    | 107.00 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 @ 28 T/24 hrs |
| Economic Speed | 10.5 Knots @ 22 T/24hrs  |

## 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      | 1161.5 m <sup>3</sup>   |
| Fresh Water   | 716.50 m <sup>3</sup>   |
| Drill Water   | 1865.00 m <sup>3</sup>  |
| Liquid Mud    | 754.00 m <sup>3</sup>   |
| Brine         | 754.00 m <sup>3</sup>   |
| Bilge         | 11.40 m <sup>3</sup>  |
| Ballast Water | 1590.40 m <sup>3</sup>  |
| Dry bulk      | 250.00 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 3060 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        | 1000 m                                       |
| Towing Drum Capacity    | 1000 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              | 200 T  |
| Shark Jaw               | 350 T  |
| Stern Roller            | SWL 400.00 T, 5.5 m (L) x 2.5 m (Dia)        |

## ACCOMMODATION

|           |                             |
|-----------|-----------------------------|
| Berths    | 4 x 1, 22 x 2, 6 x 4 Berths |
| Total Pax | 72                          |

## EXTERNAL FIRE-FIGHTING EQUIPMENT

|                |   |
|----------------|---|
| Fi-Fi Notation | Fi-Fi Ship 1 - Water Spraying               |
| 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, 20 HP Outboard Engine, 50 L Fuel, SOLAS Compliant |

