

Subsea Operations Vessel Kendal



Hallin Marine owns and operates the DP2 ROV Support Vessel Kendal.

Latest addition to Hallin's fleet of offshore support vessels, the Kendal is a multipurpose vessel with built-in air diving capability.

Built in Batam, the Kendal has a maximum draft of just 5 metres, is 65.5 metre long and 16 metre wide.

The Kendal is equipped to support a wide range of offshore subsea activity including ROV operations, wellhead servicing and inspection, repair and maintenance.

The vessel is fully compliant with the latest Special Purpose Ship Code, meets ABS Class Requirements and holds DP2 notation.

Subsea Operations Vessel - Kendal

PRINCIPAL PARTICULARS

| | |
|------------------|--|
| Built | 2011 |
| Class | American Bureau of Shipping |
| Notation | A1 (E) Offshore Support Vessel, AMS, DPS-2 |
| Flag | Singapore |
| IMO | 9570979 |
| Length Overall | 65.50m |
| Length Waterline | 63.40m |
| Breadth Moulded | 16.00m |
| Depth Moulded | 6.00m |
| Draft (max) | 5.00m |
| GRT/NRT | 24990/749 |

PERFORMANCE

| | |
|------------------|---------------------------|
| Maximum Speed | 12.5 knots |
| Economical Speed | 10.0 knots |
| DP2 Usage | 15m ³ / 24 hrs |
| Type of fuel | Marine Gas Oil |
| Fuel Consumption | 18m ³ / 24 hrs |

DECK EQUIPMENT

| | |
|-----------------|---|
| Anchor Windlass | 1 x 12mT Elec-Hyd; 0 to 10m/min. c/w 2 x warping drums 380mm (Dia) x 450mm (L) |
| Tugger Winch | 1 x 10mT Elec-Hyd; 0 to 15m/min. 250m x 25mm (Dia) wire |
| Capstans | 2 x 5mT Elec-Hyd; 400m (Dia), 0 to 15m/min |
| Bows Anchor | 2 x 1845kg AC - 14 HHP anchors |
| Chains | 235m (L) x 44mm (Grade U2) each side |
| Subsea crane | 1 x 20mT @ 10m Elec-Hyd knuckleboom type offshore subsea crane |
| Deck crane | 1 x 3mT @ 1.7m Elec-Hyd |
| Moonpool | 1 x 4.5m x 4.5m |

CAPACITIES

| | |
|----------------------|--------------------------------------|
| Deadweight | 1400mT |
| Deck Cargo | 400mT |
| Deck Strength | 5.0mT/m ² uniform loading |
| Clear Deck Area | 580m ² |
| Portable water | 600m ³ |
| Fuel Oil | 580m ³ |
| Ballast/ Drill water | 400m ³ |
| Dry Bulk Cargo | 165m ³ |
| Freezer / Chiller | 10m ³ / 10m ³ |

PUMPS

| | |
|---------------|--|
| Fresh Water | 1 x 100m ³ /hr @ 70m head |
| Drill Water | 1 x 100m ³ /hr @ 70m head |
| Cargo Oil | 1 x 100m ³ /hr @75m head |
| Bilge/Ballast | 1 x 65m ³ /hr @ 60m head |
| GS/Fire Pump | 1 x 75m ³ /hr @ 50m head |
| Bulk Cement | 2 x 20m ³ /min @ 80 psi air compressors |

VESSEL INTERGRATED AIR DIVE SYSTEM

60" twin lock air dive chamber
3 diver air dive panel
Built into dedicated compartment with plug and play connections for umbilicals, air supplies and power

PROPULSION SYSTEM

| | |
|----------------------|--|
| Main Engines | 2 x 1864kW (2500 bhp) Niigata |
| Main Generators | 4 x 470kW c/w alternator rated at 320kW 445Vac 3ph 60Hz |
| Emergency Generators | 1 x 150kW rated at 440Vac 3ph 60 Hz |
| Shaft Alternator | 2 x 900kW rated at 440Vac 3ph 60 Hz |
| Bow Thruster | 2 x Elec-driven tunnel type (CPP);10mT thrust |
| Propulsion | 2 x Z-drive type (CPP) system |

RADIO AND NAVIGATION EQUIPMENT

GMDSS Area 3 comprising
SSB 1 unit with built in DSC
Inmarsat C 2 units ; one combined with SSAS
VHF radio 2 units with built in DSC
Navtex receiver 1 unit
SART 2 units
EPIRB 1 unit
Portable VHF Radios 3 units
Radar 1 unit x band, 1 unit S band
Echo sounder 1 unit of 0 – 800m
GPS 1 unit
Gyrocompass 1 unit
Autopilot 1 unit
Magnetic compass 1 unit
Weather fax 1 unit
Speed log 1 unit
AIS 1 unit
Kongsberg DP2 standard with sensors, Kongsberg joystick,
3 x gyrocompass, 2 x wind sensors & 3 x motion response unit
References 2 DGPS, 1 x hydroacoustic unit, 1 x taut wire
Vingtor PA talkback system
Batteryless telephones

FIRE-FIGHTING EQUIPMENT

INTERNAL
Emergency Fire Pump 1 x 55m³/hr @ 60m head
BA Recharging Comp 1 x 260 lt./min @ 300 bar
CO₂ system in engine room
Fire detection & alarm system in living spaces & engine room

ACCOMMODATION

| | |
|--------------|--------------------|
| Berths | 6 x 1, 27 x 2 |
| Total Berths | 60 |
| Hospital | 1 x 2 berth cabins |

MISCELLANEOUS

Liferafts SOLAS approved type
Rescue Boat 1 x 6 men semi-rigid inflatable
c/w outboard motor
Oily Water Separator 1 x 1m³/hr c/w 15 ppm alarm
Water maker 2 x 10m³/day reverse osmosis
Sewage Treatment Plant 1 x 65 men