

Polarcus Samur

6 streamer / source seismic vessel

Overview

With delivery in 2010 Polarcus Samur is an ultra-modern, high ice class, multipurpose vessel designed for both 6 streamer 3D seismic and for wide azimuth source operations. Built to the ULSTEIN SX133 design and incorporating the innovative ULSTEIN X-BOW® hull, this vessel combines the latest developments in maritime systems with the most advanced seismic and source technology commercially available. The vessel is also amongst the most environmentally sound seismic vessels in the market with diesel-electric propulsion, high specification catalytic convertors, double hull and advanced ballast water treatment / bilge water cleaning systems. This vessel complies with the stringent DNV CLEAN DESIGN notation.

Vessel

- Design ULSTEIN SX133
- Builder Drydocks World Dubai LLC
- Date Built 2010
- Flag Bahamas
- Classification DNV 1A1, SF, E0, DYNPOS-AUTR, CLEAN DESIGN, COMF-V (3), ICE-1A, WINTERIZED BASIC, NAUT-AW, HELDK, BWM-T
- Helideck Sikorsky S-92
- Length Overall 84.2m
- Beam 17.0m
- Max Draft 6.0m
- Gross Tonnage 5150
- Propulsion Diesel Electric
- Maximum Speed 18.0 knots
- Bollard Pull 115t
- Fuel Capacity 1,240 m3 gas-oil
- Main Engines 4 x Wartsila 9L26, MCR rating 2850ekW at 1000rpm
- Main Propulsion 2 x Berg CP propeller at 4800kW
- Stern Thrusters 1 x Brunvoll tunnel thruster at 830kW
- Bow Thruster 1 x Brunvoll tunnel thruster at 830kW
1 x Brunvoll retractable azimuth thruster at 850kW
- DP System Kongsberg K-Pos DP-21 - DPII
- Berths 45, including 17 single cabins

Navigation & Positioning

- Radar plants S-band ARPA radar
X-band ARPA radar
- Navigation ECDIS chart system, DGPS

Communications

- Primary GMDSS A4
- Secondary Inmarsat F Fleet-77
- Communication VSAT

Seismic Systems

- Seismic Source Bolt 1500-LL/1900-LLXT dual sources
- Marine Compressor 3 x LMF Compressors
- Streamer config. (max) 6 x 6,000m
6 x 8,000m
4 x 12,000m
- Streamer Type Sercel Sentinel solid streamers
- Acquisition System Sercel Seal Marine Data Acquisition System
- Navigation System ION Orca
- Streamer Positioning ION DigiBIRD depth controllers and DigiRANGE acoustics
- Source Controller Seamap GunLink 4000 fully distributed digital gun controller

