

## Detailed Specifications

Owner:	Mermaid Offshore Services Ltd.
Class:	ABS +A1 +AMS Offshore Support Vessel +DPS-2
IMO No.:	9563859
Call Sign:	3FJX5
Built:	2009, PT Jaya Asiatic Shipyard, Batam, Indonesia
Registered Port:	Panama
Flag:	Panama
GRT:	2,070t
Hull Dimensions:	LOA 63.0m, B 15.0m, D (moulded) 6.1m
Draft (design):	5.0m
Fuel Oil Capacity:	500m <sup>3</sup>
Potable Water Cap.:	400m <sup>3</sup>
Water Makers:	2 x 10m <sup>3</sup> /day
Bulk Cement Tank:	50m <sup>3</sup>
Main Propulsion:	2 x 2,575HP Caterpillar CPP
Thrusters:	2 x 515kW CPP bow thrusters, 2 x 515kW CPP stern thrusters
Generators:	2 x 470kW Volvo + 1 x 99kW Volvo emergency generator
Accommodation:	60 berths (4 x 1-man, 28 x 2-man, all cabins c/w en-suite bathroom) (22 crew including catering)
Clear Deck Space:	240m <sup>2</sup> @ 7.5t/m <sup>2</sup> (main deck), 120m <sup>2</sup> (ROV deck)
Main Crane:	Hydramarine knuckle-boom 23t @ 10m, 400m wire, man-riding
Auxilliary Crane:	MacGregor Plimsoll 5t @ 10m, man-riding
Dynamic Positioning:	Kongsberg K-POS DP-21
Reference Systems:	1 x Kongsberg HiPAP 500, 2 x DGPS, 1 x LWTW, 1 x fan beam
ROV:	SMD Quasar Compact 100HP 2,000m water depth rated (work class)
Communications:	Computer network, 24hrs VSAT telephone, email and internet



## MERMAID SAPPHIRE

### DP2 ROV & Air Diving Support Vessel

## General Description

*Mermaid Sapphire* is a purpose-built ABS Classed DP2 ROV & air diving support vessel built in 2009, designed for operation of dual deepwater work-class ROV's (Quasar Compact or Triton XLX) plus optional inspection-class ROV. The ROV's are installed on a dedicated raised deck level, leaving all back deck space for project equipment. *Mermaid Sapphire* is also equipped with state-of-the-art subsea inspection data acquisition and data management systems. A 23t knuckle-boom crane, and auxiliary 5t crane are also installed.

*Mermaid Sapphire* is equipped with substantial office space, online/offline survey room, hospital, and a gymnasium. Accommodation comprises 60 berths (4 x 1-man and 28 x 2-man), all cabins with en-suite bathroom.



*All vessel details are presented herein in good faith and are believed to be correct at time of publication. Vessel specifications are subject to change without notice. Revision date 22 November 2010.*

Mermaid Offshore Services Ltd. is a leading provider of Subsea Support Services to the Oil and Gas Industry. We provide diving and ROV support vessels, saturation and surface diving, ROV, subsea inspection, survey and positioning services.

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