

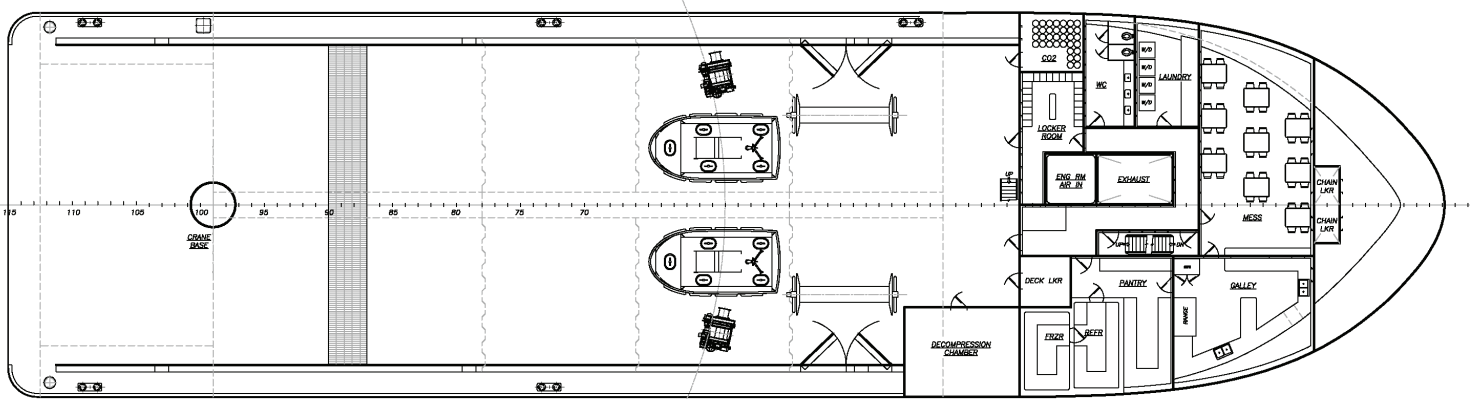
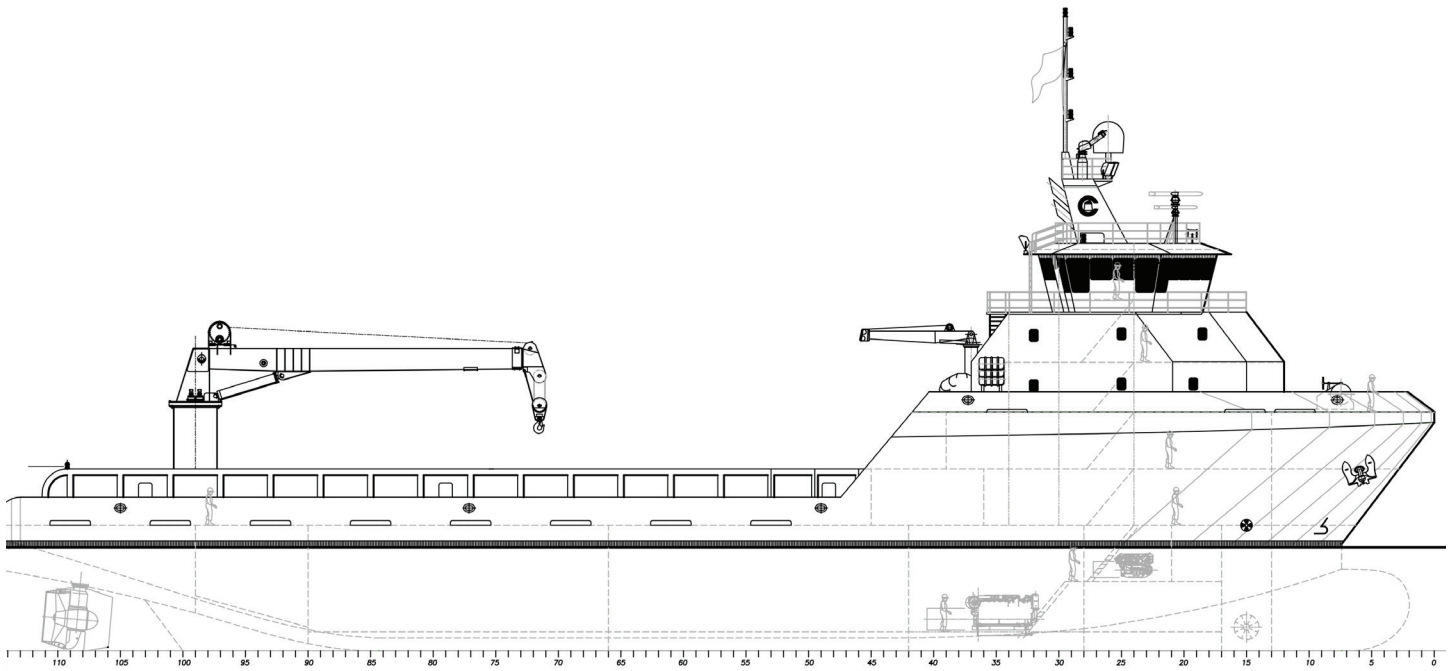
SMV-23060

230' x 60' Maintenance Vessel

The Maintenance Vessel is designed specifically to primarily service the buoy system within the TOPS area, as well as service the related components, including hoses, hawsers and mooring equipment, as outlined in the TOPS RFI. The vessel's hull provides a large, stable platform for working in a variety of seaways, and the large deck provides for excellent service area. The vessel is designed to meet all current ABS and USCG regulations for an Offshore Supply Vessel, unlimited service.

The vessel is current generation OSV/OPV design, with modifications specific to TOPS requirements for system maintenance and oil spill. Azimuthing stern drives and the bow thrusters allow the vessel to hold position in a 2 knot current, and the vessel will be classed DP-1. Azimuthing stern drives are fitted with nozzles to maximize thrust at low speed as well as to totally enclose the propellers for dive operation safety. The vessel is fitted with a large crane that can operate to its full capacity in a seaway, reaching a minimum 50-ft over the port and starboard sides. A decompression chamber as well as suitable equipment is aboard to fully support a 4-man dive team.

The Maintenance Vessel's power plant is diesel electric. This not only eliminates the shaft alley required for conventional shafting, it allows generators to be used in the most efficient means to provide for economical power production. Multiple diesel generators provide full redundancy in the vessel's electrical generation plant for both propulsion and ship's service. A separate emergency diesel generator located above the Main Deck provides for electrical power in case of a casualty in the Engine Room.



Vessel Specifications

Overall Dimensions

Overall Length	230'-0" (70.1 m)	Fuel Capacity	80,000 gal (303 m ³)
Breadth	60'-0" (18.3 m)	Potable Water	20,000 gal (76 m ³)
Depth	20'-0" (6.1 m)	Fresh Water	350,000 gal (1325 m ³)
Propulsion	Diesel Electric, Twin Screw ASD	Crude Oil	137,800 gal (522 m ³)
Prop'n Generators	4200 KW	Oily Water	130,000 gal (492 m ³)
Service Generators	800 KW	Gross Tonnage	<1600 US Regulatory
		Class	ABS ✕ A1 FFV1, DP1

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