



TLH-15646

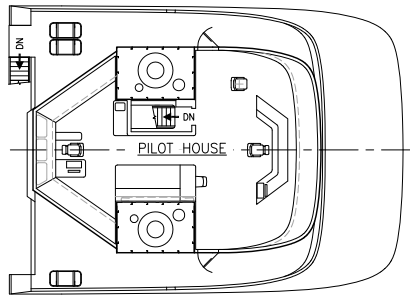
156' x 46' Line Haul DP Tug

The 156' x 46' Line Haul DP Tug is twin screw with controllable pitch propellers (CPP), in nozzles with independent high lift rudders. The hull is welded steel construction and is outfitted for long range ocean towing, dynamic positioning, firefighting and general purpose vessel requirements. The vessel is transverse framed with transverse and longitudinal bulkheads and is designed with all tanks containing oil and oil traces inboard of the side shell to create a double hull. This ocean-class vessel is flagged in the Registry of the United States of America and complies with all applicable rules and regulations for unrestricted ocean towing.

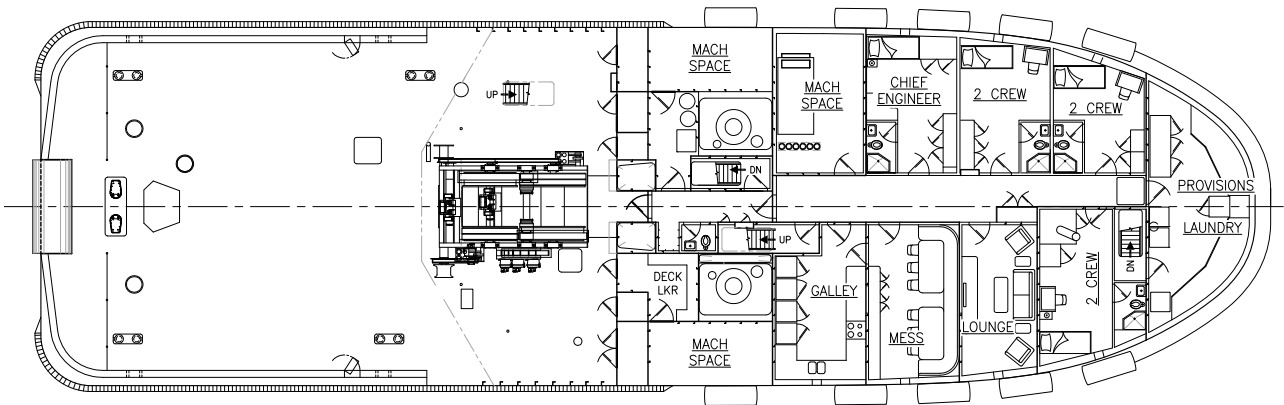
Propulsion is provided by two Caterpillar C-280-12 Tier II diesel engines, designed to operate on Ultra Low Sulfur Diesel fuel. Each is rated at 5440 BHP at 1000 RPM driving the CPP Propellers through Reintjes LAF 5666 reduction gears. The Tier II engines can be upgraded to Tier III or IV. Electric power is provided by one 340 kW Caterpillar C-18 Tier II auxiliary generator (Harbor Generator), two 1475 KVA, for the DP1 and 1.5 for the DP2 version, shaft generators and one 125 kW Caterpillar C-6.6 Tier II emergency generator system.

Overall Dimensions

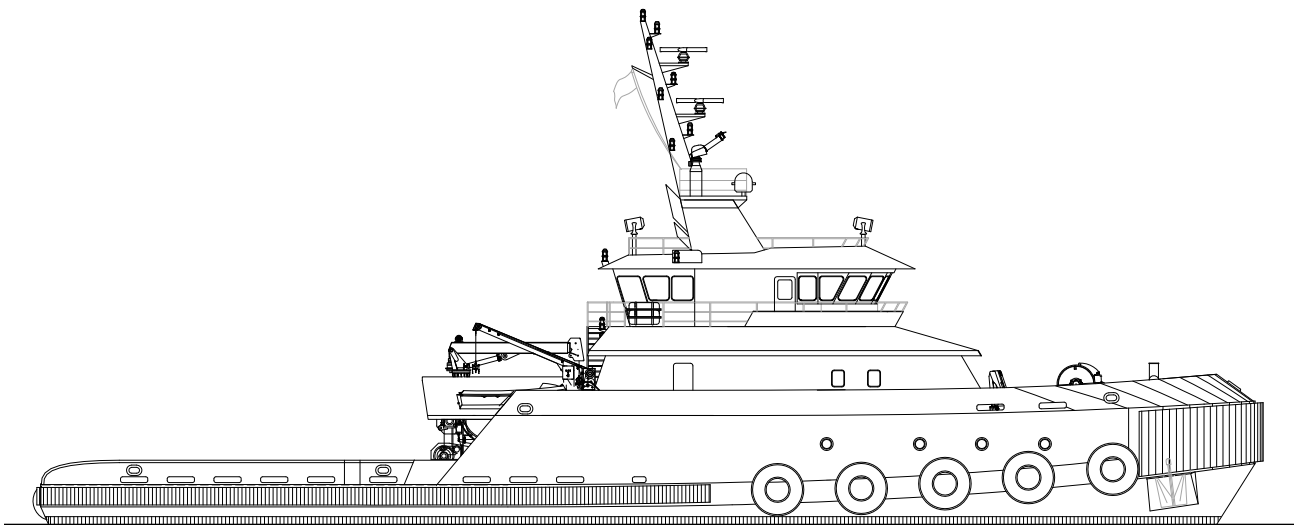
Overall Length.....	156'	Tonnage	<1600 ITC
Molded Breadth	46'	Speed	16 kts
Molded Depth	25'	Main Engine	2 x CAT C-280-12 Tier II (10,880 Total BHP), capable of being upgraded to Tier III or IV
Bollard Pull.....	~165 ST	Bow Thruster ..	1 x Berg (Electric) VFD 500 HP 1 x Berg (Electric) VFD 850 HP
Fuel Oil.....	246,958 gal	Stern Thruster.....	1 Berg 500 HP
Lube Oil	2,426 gal	Shaft Generators	2 x KATO rated 1.5MW
Fresh Water	24,614 gal		
Class Notation.....	A1 AMS Towing Vessel FFV1, ABS DP-2		



BRIDGE DECK



MAIN DECK



OUTBOARD PROFILE