The ocean-class vessels are twin screw with controllable pitch propellers (CPP), in nozzles with independent high lift rudders. Their hulls are welded steel construction and each is outfitted for long range ocean towing, dynamic positioning, firefighting and general purpose vessel requirements.

The vessels are 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. Propulsion is provided by two (2) Caterpillar C-280-12 Tier II* diesel engines, designed to operate on Ultra Low Sulfur Diesel fuel and each is rated at 5440 BHP @ 1000 RPM driving the CPP Propellers through Reintjes LAF 5666 reduction gears.

Electric power is provided by one (1) 340 kW Caterpillar C-18 Tier II* auxiliary generator (Harbor Generator), two (2) 1475 KVA, for the DP1 and 1.5 for the DP2 version, shaft generators and one (1) 125 kW Caterpillar C-6.6 Tier II emergency generator system.

The vessels are flagged in the Registry of the United States of America and comply with all applicable rules and regulations for unrestricted ocean towing. "capable of upgrade to Tier III or IV"

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**OCEAN CLASS TUGBOATS**

**DP1 & DP2**

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The vessels are 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. Propulsion is provided by two (2) Caterpillar C-280-12 Tier II* diesel engines, designed to operate on Ultra Low Sulfur Diesel fuel and each is rated at 5440 BHP @ 1000 RPM driving the CPP Propellers through Reintjes LAF 5666 reduction gears.

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GENERAL SPECIFICATIONS

FLAG
United States

PORT OF REGISTRY
Lake Charles, LA

BUILDER
Bollinger Shipyards - Amelia, LA

OVERALL DIMENSIONS
Length: 146’ (44.4m)
Ocean Wind/Ocean Wave
156’ (47.5m)
Ocean Sky/Ocean Sun
Breadth: 46’ (14.03m)
Depth: 25’ (7.62m)
Design Draft: 21’ (6.4m)

TONNAGE - <1600GRT

CONSTRUCTION - Steel

OPEN DECK SPACE
47” x 45” 2115 sq2
13.71M x 14.32M 196.48 sq m²

FUEL CAPACITY
234,738 Gallons (888.58m³)
Ocean Wind/Ocean Wave
251,700 Gallons (973.20m³)
Ocean Sky/Ocean Sun

FUEL OIL OVERFLOW - 2,118 gal. (8.02m³)
DIRTY OIL - 1,153 gal. (4.36m³)
OILY WATER - 1,225 gal.(4.64m³)

HYDRAULIC OIL - 570 gal (2.16m³)

FRESH WATER
19,060 gal. (72.16m³)
Ocean Wind/Ocean Wave
24,700 gal. (93.5m³)
Ocean Sky/Ocean Sun

GRAY WATER - 6,474 gal. (24.51m³)

SEWAGE HOLDING - 5,582 gal.
(21.13m³)

FOAM STORAGE - 1,436 gal. (5.44 m³)

LUBE OIL - 2,900 gal. (10.98m³)

MAIN ENGINES
(2) Caterpillar C-380-12 Tier II*
Developing 10,880 (8,113kW) Total BHP

HARBOR GENERATOR
(1) 340kW Caterpillar C-18 Tier II*

EMERGENCY GENERATOR
(1) 125kW Caterpillar C-6.6 Tier II*

SHAFT GENERATORS
(2) 1,475 KVA
Ocean Wind/Ocean Wave
(2) KATO rated 1.5MW each
Ocean Sky/Ocean Sun

PROPELLERS
(2) 4 Blade Cu-Ni-Al CPP
153.5” (3.9m) Diameter

REDUCTION GEARS
(2) Reintjes LAF 5666

SPEED - 16 Knots

BOW THRUSTER
(1) Berg (Electric) VFD 850HP
Ocean Wind/Ocean Wave
(2) Berg (Electric) VFD 500HP
Ocean Sky/Ocean Sun

STERN THRUSTER
(1) Berg 500HP - Ocean Sky/Ocean Sun

CRANES
Aft Deck 25T Capacity
Foc’s’le Deck Crane 5T Capacity

BOLLARD PULL - CONTINUOUS
Ocean Wave 162 ST / 147.0 MT
Ocean Wind 165 ST / 149.7 MT
Ocean Sun 160 ST / 145.5 MT
Ocean Sky 161 ST / 147.0 MT

TOWING WINE
Intercon - VMS Winch
Electric Windless Mooring 1.25” chain
Independent Capstan
Line Drum 600’ of 1.25” Jacketed
Plasma Line

TOWING WIRES
3,000’ (914m) - 2.5” (63.5mm) Wire
(upper)
4,200’ (1,219m) - 2.75” (69.85mm) Wire
(lower)

SHARK JAWS - 350 MT Triple Quick
Release

ACCOMMODATIONS
13 total available - Three -1 person staterooms; Five- 2 person staterooms

NAVIGATION/ COMMUNICATIONS EQUIPMENT
(2) Radar, (2) GPS, GMDSS, Autopilot,
Gyrocompass, Depth Sounder - SOLAS
Approved, (5) Radios, World Phone, (2)
EPIRB, Dynamic Positioning

CLASSIFICATION
A1, Towing Service, AMS, ABS, ABS
Fire Fighting Vessel Class 1, ABS
DP-1 Ocean Wind/Ocean Wave,
ABS DP-2 Ocean Sky/Ocean Sun,
USCG Certificate of Inspection, Green
Passport, SOLAS, International Load
Line Certificate

All information contained herein (including but
not limited to any specifications, particulars,
capacities, or capabilities) is believed to be
correct, but is not guaranteed and is subject to
change without notice.