



| Name       | Number  | Year Built |
|------------|---------|------------|
| Ocean Wave | 1231889 | 2012       |
| Ocean Wind | 1231890 | 2012       |
| Ocean Sun  | 1231891 | 2013       |
| Ocean Sky  | 1231892 | 2013       |

# OCEAN CLASS TUGBOATS

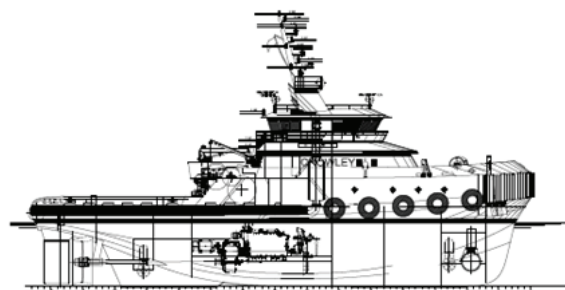
## DP1 & DP2

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 and general purpose vessel requirements.

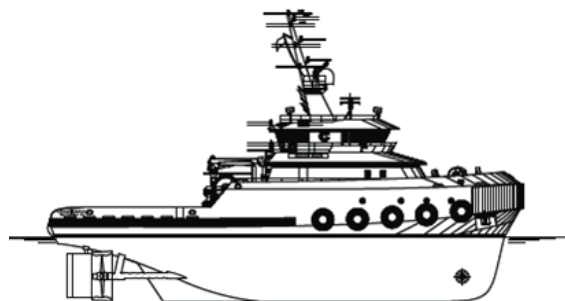
The vessels are transverse framed with transverse and longitudinal bulkheads and is designed with all tanks containing oil and oil traces inboard of the side shell to create a double hull. Propulsion is provided by two (2) Caterpillar C-280-12 Tier II\* diesel engines, designed to operate on Ultra Low 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



DP2 - Ocean Sky & Ocean Sun



DP1 - Ocean Wave & Ocean Wind

## 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

208,000 Gallons (787m³)  
Ocean Wind/Ocean Wave  
218,000 Gallons (825m³)  
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. (72.15m³)  
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-280-12 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

### NOZZLES - High Efficiency

### REDUCTION GEARS

(2) Reintjes LAF 5666

### SPEED - 14 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 SWL 3,850 lbs.

### 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 WINCH

Intercon - DW275 Hydraulic  
Min. Holding Power 350 S.T. (317.51  
M.T.) • 500,000lbs (226.80 MT) @ 20 Ft/  
Min (6.1m/Min)

### INDEPENDENT DECK AUXILIARY

### TUGGER WINCH

300 ft. of 7/8" wire rated at 25,000lbs.

### WIRE GUIDE PINS - 200 MT Triplex

### INDEPENDENT AUXILIARY WIRE DRUM

300' of 1" Wire rated @ 40,000 Lbs  
(18.14 MT) @ 100 Ft/Min (30.48 m/Min)  
Independent Capstan  
Rated @ 23,000 Lbs (10.43 MT) Line Pull  
@150 Ft/Min (45.72 m/Min)

### BOW WINCH

Intercon - VMS Winch  
Electric Windless Mooring 1.25" chain  
Independent Capstan  
Line Drum 300' of 1.75" Quantum-8

### TOWING WIRES

3,000' (914m) - 2.5" (63.5mm) Wire  
(Upper)  
4,000' (1,219m) - 2.75"(69.85mm) Wire  
(Lower)

SHARK JAWS - 350 MT Triplex Quick  
Release

STERN ROLLER - 6' (1.83m) Diameter

### ACCOMMODATIONS

13 total - (3) 1 person, (5) 2 person  
staterooms; 14 total - (2) 1 person,  
(6) 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  
DP-1 Ocean Wind/Ocean Wave,  
ABS DP-2 Ocean Sky/Ocean Sun,  
USCG Certificate of Inspection, Green  
Passport, SOLAS, International Load  
Line Certificate

*DP1 only specs listed in red / DP2 only in blue*

*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.*

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