



ESPLANADE as shown, ROYAL similar

GPA 640 260' CLASS PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	252 ft	76.8 m
Beam:	54.1 ft	16.5 m
Depth:	19 ft	5.8 m
Maximum Draft:	15.8 ft	4.8 m
Light Draft:	6.6 ft	2 m
Minimum Height:	70.5 ft	21.5 m
Freeboard:	3.3 ft	1 m
Displacement:	4,430 lt	4,500 mt
Deadweight:	2,880 lt	2,930 mt
Clear Deck Space:	177 x 45 ft	54 x 14 m
Clear Deck Area:	7,940 ft ²	740 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	ABS: +A1, (E), +DPS-2, +AMS, Offshore Support Vessel, NVIC 2-95 CHANGE 2 ACP	

Capacities

Deck Cargo:	1,180 lt	1,200 t
Fuel Oil:	143,000 gal	540 m ³
Potable Water:	17,200 gal	65.1 m ³
Fresh Water:	212,000 gal	800 m ³
Drill/Ballast Water:	126,000 gal	480 m ³
Bulk Tanks (4 tanks):	7,130 ft ³	200 m ³
Liquid Mud (2.5 SG*):	8,220 bbl	1,310 m ³
*Max Structural Specific Gravity		

TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	4,200 / 6,110		
Z-Drives:	Yes		
Propellers (2):	2100HP Steerprop SP 20		
Kort Nozzles:	2		
Primary Generators (2):	1,820 kw	480 v	60 hz
Driven by:	Cummins QSK 60		
Secondary Generators (1):	910 kw	480 v	60 hz
Driven by:	Cummins KTA 38		
Emergency Generators (1):	170 kw	480 v	60 hz
Driven by:	Cummins 6 CTA 8.3		
Bow Thruster (2):	BERG 12S TT		
Driven by:	746kW Electric Motor		
Total Thrust:	25 st	22.7 mt	

Deck Equipment

Anchors (2):	2100 KG STOCKLESS
Anchor Chain:	220 m of 38 mm chain per side
Windlass:	McElroy MCSW-150-25E

Accommodations

No. of Berths:	22
Cabins:	4x1-man, 5x2-man & 2x4-man
Certified to Carry:	22
Galley seating:	14

Registration

Flag: UNITED STATES	Home Port: NEW ORLEANS, LA
Hull Number: 7423	IMO N ^o : 9315525
Year Built: 2004	Call Sign: WDD3653
Builder:	BENDER SHIPBUILDING
Tonnage (ITC):	2045 GT 797 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	17.3 m³/day (190 gph) @ 12.5 knots	
Cruising:	13.4 m³/day (150 gph) @ 11 knots	
Economical:	10.9 m³/day (120 gph) @ 10 knots	
Standby:	1.9 m³/day (20.8 gph) @ 0 knots	
Range @ 11 Knots:	10,600 nm	
Transfer Rates		
Fuel Oil:	660 gpm @ 200 ft	150 m³/h @ 61 m
Fresh Water:	660 gpm @ 200 ft	150 m³/h @ 61 m
Drill/Ballast Water:	550 gpm @ 200 ft	120 m³/h @ 61 m
Bulk:	29.7 cfm @ 180 ft	50.4 m³/h @ 56 m
Liquid Mud:	650 gpm @ 200 ft	150 m³/h @ 60 m

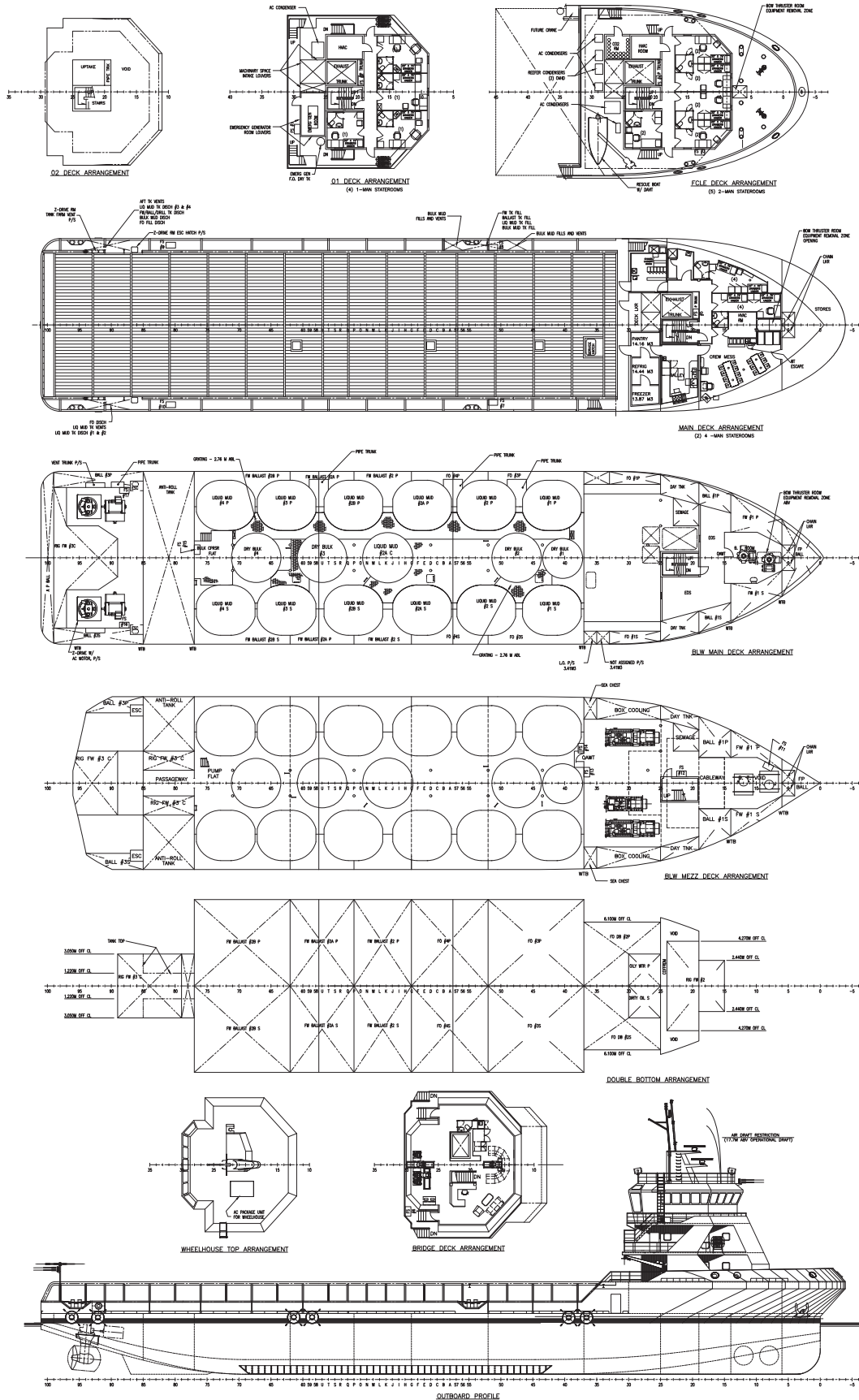
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	FURUNO FELCOM15

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	6-Man MOB 4.5A
Misc:	MSD - 25 Persons

*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
FOREPEAK TK C	DW/WB	30.7				30.7								
Ballast Tk No. 1 P	DW/WB	27.0				27.0								
Ballast Tk No. 1 S	DW/WB	27.0				27.0								
Ballast Tk No. 3 P	DW/WB	26.1				26.1								
Ballast Tk No. 3 S	DW/WB	27.7				27.7								
Anti-Roll Tk C	DW/WB	312.9				312.9								
AFT PEAK TK P	DW/WB	26.7				26.7								
FW Tk No. 1 P	Ship's FW	32.6					32.6							
FW Tk No. 1 S	Ship's FW	32.6					32.6							
FW Tk No. 2 C	FW	36.3						36.3						
FW Tk No. 2 P	FW	85.5						85.5						
FW Tk No. 2 S	FW	85.5						85.5						
FW Tk No. 2A P	FW	90.7						90.7						
FW Tk No. 2A S	FW	90.7						90.7						
FW Tk No. 2B P	FW	122.2						122.2						
FW Tk No. 2B S	FW	121.9						121.9						
FW Tk No. 3 C	FW	168.7						168.7						
Fuel Oil No. 1 P	FO	11.8		11.8										
Fuel Oil No. 1 S	FO	11.8		11.8										
Fuel Oil No. 2 P	FO	37.5		37.5										
Fuel Oil No. 2 S	FO	37.5		37.5										
Fuel Oil No. 3 P	FO	118.5		118.5										
Fuel Oil No. 3 S	FO	132.4		132.4										
Fuel Oil No. 4 P	FO	88.7		88.7										
Fuel Oil No. 4 S	FO	102.2		102.2										
Fuel Oil Day Tk P	FO	22.5		22.5										
Fuel Oil Day Tk S	FO	22.5		22.5										
Fuel Oil Emerg. Gen Tk	FO	1.0		1.0										
LM Tk No. 1 P	LM	101.5								101.5				
LM Tk No. 1 S	LM	101.5								101.5				
LM Tk No. 2 P	LM	101.5								101.5				
LM Tk No. 2 S	LM	101.5								101.5				
LM Tk No. 2A P	LM	101.5								101.5				
LM Tk No. 2A S	LM	101.5								101.5				
LM Tk No. 2A C	LM	88.4								88.4				
LM Tk No. 2B P	LM	101.5								101.5				
LM Tk No. 2B S	LM	101.5								101.5				
LM Tk No. 3 P	LM	101.4								101.4				
LM Tk No. 3 S	LM	101.4								101.4				
LM Tk No. 4 P	LM	101.5								101.5				
LM Tk No. 4 S	LM	101.5								101.5				
DRY BULK TANK NO.1	DRY BULK	32.1			32.1									
DRY BULK TANK NO.2	DRY BULK	56.6			56.6									
DRY BULK TANK NO.3	DRY BULK	56.6			56.6									
DRY BULK TANK NO.4	DRY BULK	56.6			56.6									
Lube Oil Tk FWD P	LO	7.1										7.1		
Lube Oil Tk No. 1 S	LO	3.5										3.5		
Lube Oil Tk No. 2 S	LO	3.6										3.6		
Total Volume [m ³]			0.0	586.6	202.0	478.1	65.1	801.4	0.0	1,306.1	0.0	14.2	0.0	0.0
Spec Sheet Total Volume [m ³]			0.0	540.6	202.0	478.1	65.1	801.4	0.0	1,306.1	0.0	14.2	0.0	0.0

*Capacities shown are for lead vessel. Actual capacities may vary slightly.

*Capacities shown in **RED** are excluded from the total volume.

*Capacities shown in **BLUE** are included in another Tank's Capacity.

*Capacities shown in **GREEN** are counted for multiple Tank Capacities.

