# 2659 OSV



#### **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				
Clear Deck Space:	177 x 45 ft	54 x 14 m				
Clear Deck Area:	7,940 ft <sup>2</sup>	740 m <sup>2</sup>				
Deck Strength AFT:	1,020 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>				
Class Notations:	ABS: +A1, (E), +DPS-2, +AMS, Offshore Support Vessel					

#### Capacities

Deck Cargo:	1,180 lt	1,200 t
Fuel Oil:	143,000 gal	540 m <sup>3</sup>
Potable Water:	17,200 gal	65.1 m <sup>3</sup>
Fresh Water:	212,000 gal	800 m <sup>3</sup>
Drill/Ballast Water:	126,000 gal	480 m <sup>3</sup>
Bulk Tanks (4 tanks):	7,130 ft³	200 m <sup>3</sup>
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	8,220 bbl	1,310 m <sup>3</sup>

### Further specifications

#### Machinery

Diesel Electric Vessel								
Propulsive/Total HP:	4,200 / 6,110							
Z-Drives:		Yes						
Propellers (2):	2100HP Stee	2100HP Steerprop SP 20						
Kort Nozzles:		2						
Primary Generators (2):	1,820 kw	60 hz						
Driven by:	Cummins QS	Cummins QSK 60						
Secondary Generators (1):	910 kw	60 hz						
Driven by:	Cummins KT	Cummins KTA 38						
Emergency Generators (1):	170 kw	60 hz						
Driven by:	Cummins 6 C	Cummins 6 CTA 8.3						
Bow Thruster (2):	BERG 12S TT	BERG 12S TT						
Driven by:	746kW Electi	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:	42
Cabins:	2x1-man, 2x2-man, 3x4-man & 4x6-man
Certi <b>fi</b> ed to Carry:	42
Galley seating:	14

#### Registration

Year Built: 2004	
Country Built:	USA

#### **Performance\***

Fuel Consumption Vs Sp	peed								
Maximum:	17.3 m³/day (190 gph) @ 12	17.3 m³/day (190 gph) @ 12.5 knots							
Cruising:	13.4 m³/day (150 gph) @ 1°	13.4 m³/day (150 gph) @ 11 knots							
Economical:	10.9 m <sup>3</sup> /day (120 gph) @ 1	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 m <sup>3</sup> /h @ 61 m							
Drill/Ballast Water:	550 gpm @ 200 ft	120 m³/h @ 61 m							
Bulk:	29.7 cfm @ 180 ft	50.4 m <sup>3</sup> /h @ 56 m							
Liquid Mud:	650 gpm @ 200 ft	150 m <sup>3</sup> /h @ 60 m							

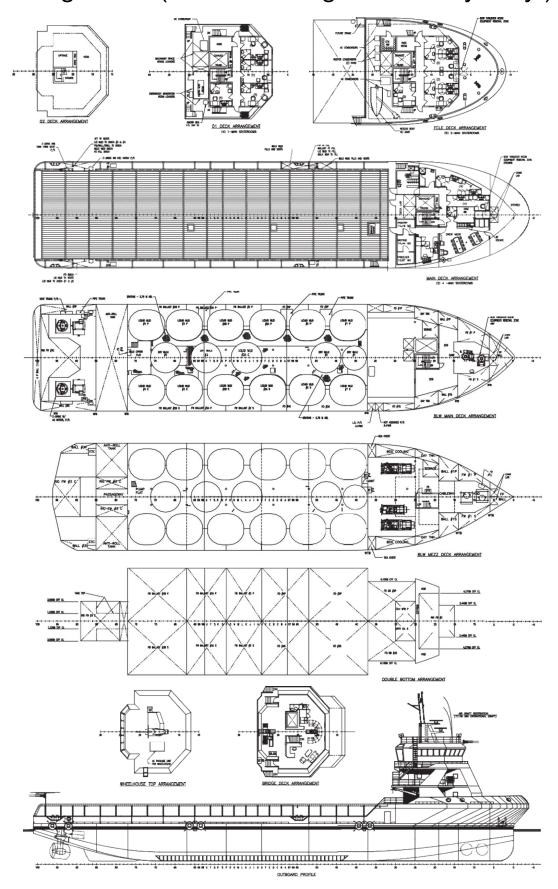
#### **Nav/Comms Equipment**

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

#### **Special Equipment**

Fire <b>fi</b> ghting:	FiFi Other 1x 110 Fire Montior
Dynamic Positioning:	DP-2
Ref. Systems:	2 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; Moon Pool - 36" Dia.

### General Arrangement (Current configuration may vary.)



### Capacity Table

Tank	Contents	Volume m³	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				20.1	32.6							
FW Tk No. 1 S	Ship's FW	32.6					32.6							
FW Tk No. 2 C	FW	36.3					00	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		90.7						90.7						
	FW	_												
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			3.0							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 \	/olume [m³]	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
		olume [m³]	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

<sup>\*</sup>Capacities shown are for lead vessel. Actual capacities may vary slightly.

<sup>\*</sup>Capacities shown in RED are excluded from the total volume.

<sup>\*</sup>Capacities shown in BLUE are included in another Tank's Capacity.

<sup>\*</sup>Capacities shown in GREEN are counted for multiple Tank Capacities.

## **DP** Capability Plot

