

# DP2 – FFV 1 – Multi Purpose Offshore Support Vessel



<b>LOA</b>	<b>60.60 m</b>	<b>198.82 ft</b>
<b>Breadth</b>	<b>15.80 m</b>	<b>51.83 ft</b>
<b>Depth</b>	<b>6.50 m</b>	<b>21.32 ft</b>
<b>Draft Summer</b>	<b>5.00 m</b>	<b>16.40 ft</b>
<b>GRT</b>	<b>1975 tons</b>	<b>(ITC69)</b>
<b>Deadweight</b>	<b>1337 tons</b>	
<b>Bollard Pull</b>	<b>83.8 tons</b>	

Class / Registration / Year Built		Capacities / Discharge Rates	
Classification	: ABS * A1E * AMS (E), OFFSHORE SUPPORT VESSEL" (SUPPLY, TOW, AH, FFV 1) SPS, DPS-2 UNRESTRICTED NAVIGATION	Fuel (Diesel)	: 150,576 USG / 570 m <sup>3</sup> : 1 x 150m <sup>3</sup> /hr @ 75m head
Year Built	: March 2016	Potable Water	: 145,293 USG / 550 m <sup>3</sup> : 1 x 100m <sup>3</sup> /hr @ 75m head
<b>Machinery / Performance</b>		Drill / Ballast	: 116,234 USG / 440 m <sup>3</sup> : 1 x 100m <sup>3</sup> /hr @ 75m head
Main Engines	: 2 x 3200 bhp @ 750 RPM - Niigata 8L28HX	Dry Bulk	: 4 x 1650 ft <sup>3</sup> = 6,600 ft <sup>3</sup> / 187m <sup>3</sup> (80 PSI System)
Horse Power	: 6,400 BHP	Liquid Mud	: 1,698 US Barrels / 270 m <sup>3</sup> : 2 x 70m <sup>3</sup> /hr @ 75m head
Generators	: 3 x Caterpillar C18 550kW, 440V, 3 Phase, 60 Hz 2 x 1200 kW Shaft Generator. CAT C4.4 95kW Emergency Generator.	Deck Cargo	: 500 tons (7.0 tons/m <sup>2</sup> loading)
Bow Thruster	: 2 x 10 tons thrust each	Deck Area	: 370 m <sup>2</sup> / 3,982ft <sup>2</sup>
Propellers	: 2 x Z-Peller Azimuth Thrusters	<b>Deck Equipment</b>	
Speed	: 13.5 Knots Full Speed / 12.5 Knots Cruising	Towing Winch	: Cargotec Electro-hydraulic double drum waterfall winch. 150 tons Line Pull, 250 tons brake.
Fuel Consumption (Approximates)	: 13.5 Knots – 25 Tons per day (approx) 12.5 Knots – 19 Tons per day (approx)	Tugger Winches	: 2 x Plimsoll Electro-hydraulic 10 ton @ 15m/min
Standby	: 1.5 tons per day (generators only)	Towing Pins / Shark Jaws	: Cargotec Electro-hydraulic 200 ton SWL 200 ton SWL
	BP 84t	Stern Capstan	: 2 x Cargotec Electro-hydraulic 5 ton @ 15m/min
<b>Navigation Equipment</b>		Storage Reel	: Cargotec Electro-hydraulic 5 ton
Gyro Compass	: Anschuetz standard 22	Stern Roller	: 3.66 m x 1.85 Ø
Magnetic Compass	: Saura SR-165C	Deck Crane	: Hydraulic rated at 3 tons @ 9m radius
Autopilot	: Anschuetz NP-60	Anchor Winch	: Cargotec Electro-hydraulic – anchors and chain 2 x high holding power of 1440kg with 440m (13 shots) of 36mm chain each.
Satellite Navigation	: Furuno GP-150	<b>Communication Equipment</b>	
Echo Sounder	: Furuno FE-700	GMDSS	: 1 x Furuno RC-1800T Area A3 Station
Radars	: 2 x Furuno X Band - 96 mile	SSB Radio	: 1 x Furuno FS-2575T with DSC
Navtex	: Furuno NX-700A	VHF Sets	: 2 x Furuno FM-8900S with DSC
Speed Log	: Furuno DS-60	Inmarsat-C	: Furuno Felcom 18
<b>Specialized Equipment</b>		Mobile	: TBA
"Fire Fighter Class 1"- 2 x 1200m <sup>3</sup> /hr monitors on top of wheelhouse (manual and remote control).		Sat Telephone	: TBA
Kongsberg DP2 System		Sat Fax	: TBA
<b>Safety / Environmental / Others</b>		Email	: TBA
All safety equipment as per SOLAS requirements.		<b>Accommodation</b>	
Sewage Treatment Plant		Cabins	: 6 x 1 man, 4 x 2 man, 7 x 4 man = 42 beds
Oily Water Separator		Hospital	: 1 x 1 man
Water Maker of 5 tons capacity per day.		<b>Comments</b>	
Foam tank 17.9m <sup>3</sup>		The vessel is built to ABS * 1A1 specifications for worldwide operations for supporting drilling rigs, anchor handling and long distance ocean towing operations. The vessel is fitted with a DP System in order to operate with improved weather tolerance for a minimum of 300 days per year under the following environmental conditions: Current 0.514 m/sec, significant wave height 2.5m and wind speed of 18m/sec.	
Dispersant Tank 17.9m <sup>3</sup>			

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