

**GENERAL**

Place of Build	Fujian Southeast Shipyard, China
Vessel Type	PSV
Year Built	2016
Flag	Gibraltar
Call Sign	ZDPJ6
ERN Number	99.98.87.68
Class	RINA
	C- OSV - Heavy cargo -Chemical prod. - ORS - Flash point-60C - Fire-fighting ship-1-Water-spraying-Unrestricted Navigation AUT-UMS; Dynapos AM-R; In-water survey; SPS

**PRINCIPLE DIMENSIONS**

Length Overall	80.00 m
Breadth Moulded	18.40 m
Design Draft	6.00 m
Max. Draft	6.35 m
Deadweight (Max. Draft)	3830 t
Gross Tonnage	3548 t
Net Tonnage	1196 t

**MACHINERY & PROPULSION**

Main Engine	2 x MAK 2400 kW
Propulsion System	Twin CPP rudder propellers/azimuth thrusters
Total power	6500 BHP
Bow Thruster	2 x 12 t (800 kW) electric driven
Main generator	3 x 550 kW diesel driven
Shaft generator	2 Leroy Somer x 1230 kW M/E driven
Emergency generator	130 kW diesel driven

**PERFORMANCES**

Fuel consumption @ 12 Knots	About 13 mt per day
Fuel consumption @ 10 Knots	About 11 mt per day
Fuel consumption @ 8 Knots	About 8 mt per day
Fuel consumption in port	About 1 mt per day
Fuel consumption in DP mode	About 6 mt per day
Fuel Type	ISO 8217: 2005 DMA or later revisions

**CARGO CAPABILITIES**

Fresh water	730 m <sup>3</sup> -100 m <sup>3</sup> /hr @ 80 m head
Drill water / W.B.	1442 m <sup>3</sup> -100 m <sup>3</sup> /hr @ 80 m head
Fuel Capacity (100%)	860 m <sup>3</sup> - 150 m <sup>3</sup> /hr @ 80 m head
Liquid Mud / Brine / ORO	817 m <sup>3</sup> - 2 x 75 m <sup>3</sup> /hr @ 80 m head
Dry Bulk	228 m <sup>3</sup> - 20 m <sup>3</sup> /min (compressors)
Base Oil / Glycol	175 m <sup>3</sup> - 50 m <sup>3</sup> /hr @ 80m head
Foam	27 m <sup>3</sup>
Detergent	27 m <sup>3</sup>
Clear deck space	750 m <sup>2</sup>
Deck Cargo	1500 t
Deck Loading	7 t/m <sup>2</sup>
Fresh Water Maker	2 x 10 t per day

**COMMUNICATIONS EQUIPMENT**

HF Radio	1 x Furuno Model RC-1800T
VHF Radio	1 x Furuno FM-8800S
Portable two-way VHF	3 x McMurdo model R2 GMDSS
Satellite EPIRB	1 x McMurdi model SMARTFINDE5
Navtex Receiver	1 x Furuno NX-700A (GMDSS)
SART	McMurdo S4 rescue SART
Automatic Identification System (AIS)	1 x Furuno FA-150

**POSITIONING REFERENCE SYSTEM**

Radar No. 1	1 x Furuno FAR-2117-D, X-band
Radar No. 2	1 x Furuno FAR-2137S-D, S-band
GPS	2 x Furuno, GP-150
Echo Sounder	1 x Furuno FE-700
Auto Pilot	1 x Anschutz Pilot Star D
Gyro Compass	3 x Anschutz Gyro Compass
Magnetic Compass	1 x Magnetic Compass standard 22
Joystick Control	Kongsberg cJoy system
ECDIS	1
Dynamic Positioning	Kongsberg DPS-2
Reference System 1	DGPS DPS 110
Reference System 2	DGPS DPS 112
Reference System 3	Cyscan

**DECK MACHINERY**

Deck Crane	3 t SWL @ 10m
Tuggers	2 x 10 t @ 24m/min
Capstans	2 x 10 t @ 25m/min

**LIFE SAVING APPARATUS**

Life rafts	6 x 25 man and 2 x 5 man
Rescue Boat	1 x 6 man rescue boat with 25HP OBM
Scrambling Nets	1 on each side of rescue zone

**EXTERNAL FIRE FIGHTING**

Capacity	FiFi Class 1 - 2400 m <sup>3</sup> per hr
Monitor	2 x 1200 m <sup>3</sup> per hr
Throw length/height	120 m / 50 m

**ACCOMMODATION**

Passengers	38
Crew	14
Total	52
Hospital	yes

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