

# KCM 80m PSV DP2 - VOS PRINCE (3254)



## GENERAL

|   |                                   |
|---|-----------------------------------|
| Place of Build  | Fujian Southeast Shipyards, 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 -<br>Fire-fighting ship-1-Water-spraying-Unrestricted Navigation<br>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 x 1,500 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.       | 1721 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)  |
| Methanol                 | 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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