**SPECIAL FEATURES**

- Four main Engines deliver maximum fuel economy with excellent redundancy
- All thrusters are independently driven (no shaft generators)
- True bollard pull same as max bollard pull (no shaft generator power loss)
- Twin stern rollers
- Twin sharks jaws and twin tow pins
- Contained fuel oil tank overflow system
- VSAT – unlimited internet
- Superb machinery redundancy

**REGISTRATION**

- **Owner**: Gulf Marine Far East (Pte) Ltd
- **Manager**: Gulf Marine Far East (Pte) Ltd
- **Built**: Keppel Singmarine 2008
- **Classification**: ABS +A1, +AMS, +ACCU, +DP-2, +TCM, AHO/Offshore Support & Towing Vessel, Fire Fighting Class 1
- **Flag**: Panama

**CARGO CAPACITY**

- **Clear Deck Area**: 515 m² @1000T
- **Deck size**: 37.85 x 13.61mtrs
- **Deck Strength**: 10.0 T/m²
- **Fuel Oil**: 1056 m³ @ 100%
- **Potable Water**: 485 m³ @ 100%
- **Drill Water**: 1019 m³ @ 100%
- **Mud**: 650 m³ @ 100%
- **Liquid Mud**: 650 m³ @ 100%
- **Brine**: 214 m³ @ 100%
- **Base Oil**: 215 m³ @ 100%
- **Dry bulk**: 260 m³ @ 100%
- **Rig Chain Locker**: 215 m³
- **Chain Capacity**: 3070 m

**TOWING & ANCHOR HANDLING EQUIPMENT**

- **Bollard Pull**: 148 T Continuous
- **Line Pull**: 350 T
- **Winch**: Triple Drum SMATCO
- **Tower Drum**: max capacity 2976m x 76mm wire
- **Tower drum**: fitted with 200m x 77 work wire
- **Spare wire drum P**: max capacity 1524m x 76mm
- **Spare wire drum P**: fitted with 1000m x 64mm
- **Spare wire drum S**: max capacity 1524m x 76mm
- **Spare wire drum S**: fitted with 1000m x 76mm
- **Spare wire drum P**: LFD max capacity 1500 x 76mm
- **Spare wire drum P**: LFD fitted with 3 x30m x 64mm pendant
- **Spare wire drum S**: LFD max capacity 1500 x 76mm stretcher
- **Braking Capacity**: 441 T (Remote control from aft control stand in wheelhouse)
- **Towing Pin**: 2 x twin hydraulic operated type SWL 400T
- **Sharks Jaw**: 2 x twin hydraulic operated type SWL 500T
- **Stern Roller**: Split Roller 2.5 m each Ø and 5 m lgth w/ SWL 500T
- **Deck Crane**: 2 x Spray Booms

**DISCHARGE RATES**

- **Fuel**: 2 x 200 m³/hr @ 90 mhd
- **Pot Water**: 2 x 200 m³/hr @ 90 mhd
- **Drill Water**: 2 x 200 m³/hr @ 90 mhd
- **Mud**: 2 x 75 m³/hr @ 90 mhd
- **Brine**: 2 x 75 m³/hr @ 90 mhd
- **Base Oil**: 2 x 150 m³/hr @ 90 mhd
- **Slip Disc**: 1 x 5 m³/hr @ 45 mhd
- **Dry Bulk**: 2 x 75 m/hr

**MACHINERY**

- **Main Engines**: 4 x 2690 bhp
- **Main Generator**: 3 x 550 kw
- **Harbour Gen**: 1 x 425 kw
- **Emergency Gen**: 1 x 99 kw
- **Tunnel Bow Thruster**: 1 x 632 kw x 8.5 tons Thrust
- **Azimuth Thruster**: 1 x 662 kw x 11.5 tons Thrust
- **Tunnel Stern Thruster**: 1 x 632 kw x 8.5 tons Thrust
- **Steering Gear**: 2 x 45 degree
- **Propulsion**: 2 x CPP with Fixed Nozzle
- **Rudders**: Split, High Lift

**SPEED & CONSUMPTION**

- **Full speed**: 14.5 knots 4 x engines 30m3/day
- **Cruising speed**: 12.5 knots 4 x engines 25m3/day
- **Economical speed**: 9 knots 2 x engines 16m3/day
- **Towing/anchor handling**: 36m3/day

**ACCOMMODATION TOTAL 42 PERSONS**

- 6 x 1 berth cabins = 6
- 18 x 2 berth cabins = 36
- 1 x 2 berth cabin (hospital)
- All cabins fully air-conditioned

**EXTRA EQUIPMENT**

- **Rescue Zone**: Port & Std side
- **Oily Water Separator**: 1 x 1 m³/hr MARPOL standard
- **Sewage Treatment Plant**: 1 x 42 men per day
- **Windlass**: 9T @ 12 m/min for 40 mm Ø, Chain w/2 cable lifers, 2 warping drums & rope drum
- **Bow Anchors**: High-holding type anchors 2x2640 kg
- **Chains**: 467 m x 40 mm Ø Grade
- **Deck Crane**: 3 stud link chain p & s
- **Tugger Winches**: 2 x 10T @ 15m/mins
- **Capstans**: 2 x 20T @ 15m/mins
- **Sweeper**: 2 x Spray Booms

**FIRE FIGHTING EQUIPMENT**

- **External**: with external drench system, full vessel
  - Pumps: 2 x 1600 m³ / hr
  - Monitor: 2 x 1200 m³ / hr (w/ spray and remote control)
- **Internal**: Emergency Fire Pump
  - CO² System in engine room, BT room, and ST room
  - Fire Detection & Alarm System throughout vessel
  - BA Recharging Compressor 75ltr/min @ 200bar

**SAFETY/LIFESAVING EQUIPMENT**

- **SOLAS Compliant**
  - Rescue boat: 1 x 15 man FRC

**COMMUNICATION & NAVIGATION EQUIPMENT**

- 2 x SAT
  - 1 Navtex
  - 1 EPIRB
  - 2 x Radars ARPA
  - 1 Doppler speed log
  - 2 Master Gyro’s with 5 repeaters
  - 1 Magnetic Compass
  - 1 GPS
  - 1 Echo sounder
  - 1 Set of GMDSS radio station system for Area 3.
  - Including SSB, Inmarsat C, MF/HF,VHF with DSC etc.
  - 3 x VHF GMDSS
  - Ship Security Alert System
  - 1 x AIS
  - 1 x Bridge Navigational Watch Alarm System
  - 1 x VSAT Internet / Telephone System

**VESSEL MANAGEMENT DP AND JOYSTICK (ABS NOTATION DPS-2, FMEA H)**

- **DPS L3 NHS 6000**
  - 2 x DP Controller + Independent Joystick
  - 2 x Wind Sensor
  - 2 x Master Gyro
  - 2 x DGPS
  - VMS System which includes vessel power management

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These particulars should be taken as indicative and do not constitute a warranty. For additional information, please contact GulfMark Asia Pte. Ltd. at chartering.sg@gulfmark.com or at www.GulfMark.com.
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### GENERAL ARRANGEMENT DRAWING

#### DIMENSIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>LOA</td>
<td>76 m</td>
</tr>
<tr>
<td>Breadth (moulded)</td>
<td>17 m</td>
</tr>
<tr>
<td>Depth (moulded)</td>
<td>7.6 m</td>
</tr>
<tr>
<td>Draft (moulded)</td>
<td>6.2 m</td>
</tr>
<tr>
<td>GT</td>
<td>2943 T</td>
</tr>
<tr>
<td>Deadweight</td>
<td>2700 T @ 6.2 m draft</td>
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</tbody>
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**SEA KIOWA**

10,760 BHP / DP-2 / 148T ANCHOR HANDLING/SUPPLY VESSEL