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**SEA APACHE**

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

**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
Tonnage: 2945 GRT
Classification: ABS +A1, +AMS, +ACCU, +DP-2 @, TCM, AH/Offshore Support & Towing
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%
- 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
- Tow drum: max capacity 1524 x 76mm
- Tow drum: fitted with 850m x 64mm
- Spare wire drum P: max capacity 1524 x 76mm
- Spare wire drum P: fitted with 900m x 64mm
- Spare wire drum S: max capacity 1524 x 76mm
- Spare wire drum S: fitted with 1000m x 77mm
- Spare wire drum P: LFD max capacity 1500x76mm
- Spare wire drum S: LFD fitted with 180m x 130mm stretcher
- Braking Capacity: 441 T (Remote control from aft control station 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

**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: 3 x 75 m³/hr @ 90 mhd
- Brine: 2 x 75 m³/hr @ 90 mhd
- Base Oil: 2 x 150 m³/hr @ 90 mhd
- Slop Disc.: 1 x 5 m³/hr @ 45 mhd
- Dry bulk: 2 x 75 thr

**MACHINERY**

- Main Engines: 4 x 2,655 bhp
- Main Generator: 3 x 550 kw
- Harbor Gen: 1 x 425 kw
- Emergency Gen: 1 x 90 kw
- Tunnel Bow Thruster: 2 x 632 kw x 8.5 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
- Sewerage Treatment: 1 x 42 men per day
- Windlass: 9T @ 12 m/min for 40 mm Ø, Chain w/2 cable lifters, 2 warping drums & rope drum
- High-holding type anchors
- Bow Anchors: 2640 kg
- Chains: 467 m x 40 mm Ø Grade 3 stud link chain p & s
- Tugger Winches: 2 x 10T @ 15m/mins
- Capstans: 2 x 10T @ 15m/mins, 2 x Spray Booms
- Deck Crane: 5T @ 15mtrs

**FIRE FIGHTING EQUIPMENT**

External:
- FFI 1 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

**SAFE/SAFETY EQUIPMENT**

- SOLAS Compliant
- Rescue boat: 1 x 6 man FRC

**COMMUNICATION & NAVIGATION EQUIPMENT**

- 2 x SART
- 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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SEA APACHE
10,760 BHP / DP-2 / 148T ANCHOR HANDLING/SUPPLY VESSEL

GENERAL ARRANGEMENT DRAWING

DIMENSIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</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>
</tr>
</tbody>
</table>

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