

# PHOENIX 52 & PISCES 53

**Name** Phoenix 52 & Pisces 53  
**Port of Registry** Singapore  
**Built** 2003



|  |  |  |
|--|--|--|
| <b>Type</b>                                  | Tractor Tug  |  |
| <b>Class</b>                                 | Lloyd's Register of Shipping, Maltese Cross 100 A1 Tug + LMC Unrestricted Service  |  |
| <b>Dimensions</b>                            |  |  |
| Length Overall                               | 34.00 m  |  |
| Breadth Moulded                              | 10.50 m  |  |
| Draft Design                                 | 6.20 m   |  |
| <b>Tonnage</b>                               |  |  |
| Net Tonnage                                  | 126 T  |  |
| Gross Tonnage                                | 420 T  |  |
| <b>Bollard Pull</b>                          | 65 T   |  |
| <b>Speed</b>                                 | 12 Knots   |  |
| <b>Capacity</b>                              |  |  |
| Fuel Oil                                     | 115 m <sup>3</sup>   |  |
| Fresh water                                  | 70 m <sup>3</sup>  |  |
| Foam   | 2.0 m <sup>3</sup>   |  |
| Dispersant                                   | 2.0 m <sup>3</sup>   |  |
| <b>Main engines</b>                          | Deutz SBV 9M628,<br>2 x 2070 kW (2 x 2776 HP)  |  |
| <b>Propulsion</b>                            | 2 x Schottel SRP 1515<br>Propeller Diameter: 2600 mm, Fixed Pitch  |  |
| <b>Main Generator</b>                        | 2 x Cummins 6CTA8.3DM<br>152 kW x 380 V, 50 Hz, 3 Phases x 4 wires.  |  |
| <b>Harbour Generator</b>                     | 1 x Cummins 6BT5.9DM<br>70 kW x 380V, 50 Hz, 3 Phases x 4 wires.   |  |
| <b>Deck Machinery</b>                        | Fwd  | One hydraulic Windlass of 3 tons at 10m/min.                                 |
|  | Aft  | One Zicom, electro hydraulic towing winch with brake holding capacity 140 T. |
| <b>Navigational Equipment</b>                | Radars, Echo sounders, Standard Magnetic Compass, Gyro Compass, Auto Pilot, GPS, SSB, Immarsant Mini-M, VHF Radio Telephone with built in DSC, GMDSS Sea Area 2  |  |
| <b>External Fire Fighting Capacity</b>       | Half Fire Fighting.<br>One unit main engine driven pump capacity 1400 m <sup>3</sup> /hr x 140 m, delivery head, via one unit remote control fire monitor capacity 1200 m <sup>3</sup> /hr on bridge deck, complete with foam proportioner.<br><br>Throw Length: 120 Meters.<br>Throw Height:: 45 meters above sea level.<br>Self Drenching system: Main Deck, Deck House & Wheel House. |  |
| <b>Fire Detection / Extinguishing System</b> | Machinery & accommodation space is fitted with smoke and heat detector. Machinery space protected with a CO <sup>2</sup> total flooding fire extinguishing system.   |  |
| <b>Accommodation</b>                         | 10 persons   |  |
| <b>Builder</b>                               | Keppel Singmarine Pte Ltd.   |  |

*This vessel specification is given in good faith and assumed to be correct. July 2004.*



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**GENERAL ARRANGEMENT**

**TUG NAME: PHOENIX 52 & PISCES 53**