



**Type** : **PUSHER HARBOUR TUG**

**Year Built**  
2006

**Port of Registry**  
Malaysia

**Class**  
Lloyd's Register of Shipping  
✘ 100 A1 Tug ✘ LMC  
Fire Fighting Capability

**Capacity**  
Fuel : 85m<sup>3</sup>  
Fresh Water : 30m<sup>3</sup>  
Foam : 6m<sup>3</sup>  
Dispersant : 2.4m<sup>3</sup>

**Tonnage**  
Net Tonnage : 73 T  
Gross Tonnage : 248 T

**Speed** : 12 Knots

**Bollard Pull** : 45 T excess

**Dimensions**  
Length Overall : 27.90 m  
Breadth Moulded : 9.00 m  
Draft Design : 3.80 m  
Depth Moulded : 4.70 m

**Propulsion**  
2 x Niigata ZP-21 fixed pitch propeller  
with steerable Azimuth thrusters

**Main engine**  
Niigata 6L22HX  
2 x1800bhp at 1,000 rpm

**Generator**  
Perkins 1006TWGM  
2 x 95 kW, 380V, 3pH, 50Hz

**Deck Machinery**  
Anchor winch / windlass:  
Plimsoll, electro hydraulic driven  
Braking capacity 110 T

Aft Towing Hook: SWL 45T

**Navigational & Communication Equipment**  
Echo Sounder, EPIRB,  
GMDSS Radar Transponder,  
GMDSS VHF Radio,  
Magnetic Compass, VHF Radio  
GPS Navigator, Navtex Receiver,  
SSB, Marine Radar

**Fire Fighting System**  
- Engine driven Nijhuis model HGT1-250.500 pump.  
Capacity 1,400 m<sup>3</sup>/hr  
- Gearbox with clutch Kumera : 2FGEC-2280  
- 2 x SKUM fire monitor (600 m<sup>3</sup>/hr each)  
Throw Length: 100m  
Throw Height: 45m  
- One set Foam Mixing fitting  
- Self drenching system: Main Deck  
Deck House  
Wheel House

**Accommodation**  
8 Persons

**Others**  
Oil Pollution Fighting System

**Builder**  
Keppel Philippines Marine Inc.

*This vessel specification is given in good faith and assumed to be correct. December 2010*



**KEPPEL SMIT TOWAGE PTE LTD**



