

# Engage Vanguard

## Principal Particulars

<b>Class Notion:</b>	LR X100A1 Tug, IWS, Coastal Service, XLMC, UMS
<b>IMO Number:</b>	9320829
<b>Call Sign / MMSI:</b>	9MWM4 / 533001030
<b>Delivery Date:</b>	September 2005
<b>Flag:</b>	Australia
<b>Port of Registry:</b>	Dampier, Western Australia
<b>Ship Builder:</b>	ASL Shipyard Pte Ltd, Singapore

## Dimensions

<b>Length Overall:</b>	27.70 m
<b>Breadth (Moulded):</b>	11.20 m
<b>Draft:</b>	5.80 m
<b>GRT / NRT:</b>	343 / 102

## Performance

<b>Bollard Pull (Ahead):</b>	63.3 ton
<b>Bollard Pull (Astern):</b>	60.5 ton
<b>Speed Ahead (Maximum):</b>	13 knots

## Fire Fighting

<b>Fire Fighting Class:</b>	-
<b>Fire Fighting Pumps:</b>	1 x 1200 m <sup>3</sup> / hrs
<b>Monitors (Water Mode):</b>	Foam + Water Spray

## Engine And Propulsion System

<b>Main Engines:</b>	3 x NIIGATA 6L25HX
<b>Total Power:</b>	3969 kW (5401 BHP)
<b>Auxiliary Engines Genset:</b>	2 x 120 kW CUMMINS 6 CTA 8.3 D(M)
<b>Thrusters:</b>	3 x Z-Drive NIIGATA ZP-21 FP

## Accommodation

<b>Total POB:</b>	6
<b>Single Cabins:</b>	2
<b>Double Cabins:</b>	2

## Auxiliary Equipment

<b>Fuel Separator:</b>	ALFA LAVAL MIB303S-13
<b>Emergency Fire Pump:</b>	YES
<b>Diesel</b>	
<b>Towing Hook:</b>	YES



## Life Saving Equipment

1 x EPIRB, 1 x SART, 1 x Line Throwing Apparatus, 2 x 10 Life Rafts, 8 x Life Jackets, 6 x Immersion Suits and 4 x Life Buoys available.

## Tank Capacity

<b>Fuel:</b>	131.28 m <sup>3</sup> (MGO)
<b>Ballast:</b>	48.5 m <sup>3</sup>
<b>Fresh Water:</b>	44.2 m <sup>3</sup>
<b>Dirty Oil:</b>	5.1 m <sup>3</sup>
<b>Hydraulic Oil:</b>	2.7 m <sup>3</sup>
<b>Lub Oil:</b>	1.8 m <sup>3</sup>
<b>Sewage:</b>	5.1 m <sup>3</sup>
<b>Foam Tank:</b>	6.0 m <sup>3</sup>

## Deck Equipment

<b>FWD Winch:</b>	PLIMSOLL, PC-HTW / SD-30 / 150, Single Drum
<b>FWD Winch Brake:</b>	150 ton
<b>FWD Winch Pull:</b>	30 ton 1e Layer
<b>FWD Winch Drum Cap:</b>	200 m / Dia 48 mm Synthetic 10 m / Dia 120 mm Synthetic
<b>AFT Winch:</b>	PLIMSOLL, PC-HTW / SD-30 / 150, Double Drum
<b>AFT Winch Brake:</b>	150 ton
<b>AFT Winch Pull:</b>	30 ton 1e Layer
<b>AFT Winch Drum Cap:</b>	2200 m / Dia 48 mm Synthetic 10 m / Dia 120 mm Synthetic
<b>Fendering:</b>	All Around

## Nautical and Communication Equipment

<b>Area:</b>	GMDSS A1
<b>Magnetic Compass:</b>	Cassens + Plath
<b>AIS:</b>	Furuno FA-150
<b>GPS:</b>	Furuno GP-90
<b>NR of Radar System:</b>	Furuno FR-8062
<b>Echo Sounder:</b>	Furuno FCV-600L
<b>Autopilot:</b>	Anschutz NP 60
<b>VHF Handheld GMDSS:</b>	2 x Mcmurdo R2
<b>VHF DSC Watch Receiver:</b>	2 x Furuno FM-8500
<b>AIS/LRIT:</b>	Furuno / FA-150
<b>Navtex:</b>	Furuno NX-500
<b>SART:</b>	Mcmurdo S4
<b>EPIRB:</b>	Mcmurdo E5 Smartfind
<b>Bridge Navigation:</b>	Siemens
<b>Alarm System:</b>	-

