

# MV Yarabah



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Vessel Type: Supply / Light Anchor Handler

## Dimensions

Length Overall: 53.83m  
Breadth Moulded: 12.19m  
Depth Moulded: 4.50m  
Draft Loaded: 3.9m  
Deadweight: 1200 m/t  
Registered Tonnage: Gross 789 T  
Net 236 T

## Machinery

Main Engines: 2 x EMD 12-645 E7B  
Horse Power: IHP-5,200 @ 900 RPM,  
BHP 4,610 cont. @ 900 RPM  
Reduction Gear: Lufkin RHS – 2120  
Gear Ratio: 2.97 : 1  
Auxiliaries: GM 8V71 – Delco 125 kw  
440/220/110V/3  
Ph./60Hz  
Propellers: Fixed  
Bow Thruster: Schottel Model 152-L, Detroit V8-71,  
4t Thrust

## Capacities

Fuel Oil: 174 m/t  
Fresh Water / Potable Water: 428 m/t  
Bulk Tanks: 4 x 35 cu.m. (140 cu.m.)  
Liquid Tanks: 230 cu.m.  
Refrigerator / Freezer: Walk-in 2x8 cu.m. each  
Clear Deck Area: L=33.5m  
B=10.35m  
Deck Cargo Capacity: 600 Tonnes (4.5 T/sq.m.)  
Sewage Tank: 20 m/t

## Communications

SSB: Thrane and Thrane  
HF: ICOM, ICM700  
VHF (2): Sailor Compact VHF RT2048  
Emergency: Henschel  
Telegraph: Airphone TD12H  
Watch Keeping Receiver: Sailor R-501

## Navigation Equipment

Magnetic Compass: Ritchie-SP6  
Sat Compass: Furuno 2 x RCV  
Gyro Compass: Sperry MK-SP6  
Gyro Repeaters: 2 x Sperry  
Auto Pilot: Furuno Nac Pilot  
Radars (2): Furuno LCD RDP150  
Navtex: JRC-NCR 300A  
Echosounder: Furuno FE-808  
Satellite Navigator/GPS: Raystar 920-Raytheon JRC  
Weather Fax: Furuno DFAX-208A  
Wind Speed Indicator: Thomas Walker WG1

## Registration

Year Built / Builder: 1981 – Halter Marine, U.S.A.  
Flag: Australian  
Port of Registry: Melbourne - Australia  
Official Number: 8023802  
Call Sign: VKV7155  
Class: Det Norske Veritas – 1A1 Tug Sup  
Statutory Survey: USL 2B

## Towing / Anchor Handling / Mooring

Winch: Double Drum Waterfall SMATCO72 -  
DAW-250  
Single line pull 300,000 lbs  
Tow Cable: 3,000 ft. – dia. 2 ¼ in.  
Bollard Pull: 50.6 m/t  
Tugger Winch: 2 x 5 Tons Smatco HT25-10-Hydraulic  
Windlass: Smatco 1500 EAD-30  
Anchors: 2 Danforth – 1500 lbs each.  
Chain: 2 x 330 mts. Dia. 1.5 in. Dia.  
Stern Roller: L-8 ft. Dia. = 5 ft.

## Performance

Speed: Maximum = 10 knots  
Economical = 9 knots  
Fuel Consumption: Approx. 7.5m/t per day loaded  
\*Sea dependent

## Transfer Rates

Fuel: 60 cu.m./hr. @ 40m head  
Water: 90 cu.m./hr. @ 60m head  
Bulk: Fuller C120 @ 40T/Hr.  
Liquid Mud: 50 cu.m./hr. @ 100m head  
Fuel Meter: Toikeium Model B-820B @ 159 PSI

## Safety and Firefighting – ½ FIFI

Liferafts: 2 x 20 = 40 persons;  
Fire Extinguisher: 15/CO2 – 8 Foam – 7 D/P  
Fire Pump (1): Nijhuis Type NCD1-200-520A  
1200 cu.m./hr. @ 2400 rpm  
@ 10 Bar  
One fire/foam monitor 1200 cu.m./hr.  
Remote controlled from bridge  
Aurora 344-60 cu.m./hr. @ 40m  
head  
One monitor 90 cu.m./hr.

## Accommodation

Crew Required: 7-9, depending on operation  
3 cabins x 1 berth = 3  
1 cabin x 3 berth = 3  
3 cabin x 2 berth = 6