



## About the vessel

The Mermaid Cove was purpose built to be an offtake support vessel. With its diesel electric propulsion, 70.3t bollard pull the vessel is one of Cyan's strongest performing AHT vessels in the fleet.

The Mermaid Cove has been on hire since its delivery in 2013 to BHP, providing FPSO offtake support services on the North West Shelf and Carnarvon Basin in Western Australia.



## Mermaid Cove

Anchor Handling Tug



## Contact Cyan Renewables

### Australia

Perth Office

Level 10  
12-14 The Esplanade  
Perth WA 6000

Ph: +61 8 9431 7431

### South East Asia

Singapore Office

9 Raffles Place, #15-02  
Republic Plaza  
Singapore 048619

Ph: +65 6265 1010

### United Kingdom

Aberdeen Office

30 Abercrombie Court  
Prospect Road, Arnhall Business Park  
Westhill Aberdeenshire  
United Kingdom AB32 6FE

Ph: +44 1224 659950

General		Dimensions	
Official No	860419	LOA	52.35 m
Call Sign	VNJ4016	Breadth - moulded	14.6 m
IMO No	9644108	Depth - moulded	6.25 m
Year Built	2013	Draft	4.9 m
Port of Registry	Dampier	GRT	1,386 T
Flag	Australia	NRT	415 T
Class	American Bureau of Shipping	Deadweight	1,000 T
Notation	✱A1, Towing Vessel, (Fire Fighting Capability), Offshore Support Vessel AH, (E), ✱AMS, ✱ACCU, ✱DPS-2, ENVIRO, GP	Free Deck Area	301 m <sup>2</sup>
		Deck Strength	5 T/m <sup>2</sup>

[cyanrenewables.com](http://cyanrenewables.com)

A Perfect Day Every Day



# Mermaid Cove

## Anchor Handling Tug



Performance		
BHP	BHP	5,620
kW	kW	5,475
Speed - Maximum	Knots	12.5
Speed - Economical	Knots	11
Bollard Pull	T	70.3

Tank Capacity		
Fuel Oil	m <sup>3</sup>	592.5
Fresh Water	m <sup>3</sup>	283
Foam	m <sup>3</sup>	1.1
Ballast Water	m <sup>3</sup>	634.8

Discharge Rates		
Fuel Oil	120 m <sup>3</sup> /hr @ 30 m head	
Fresh Water	100 m <sup>3</sup> / hr @ 30 m head	
Ballast / Drill Water	NA	
Potable Water	100 m <sup>3</sup> /hr @ 30 m head	
Dry Bulk	NA	
Liquid Mud / Brine	NA	
Dispersant	54 m <sup>3</sup> / hr @ 60 m head	

Machinery / Propulsion		
Main Engines	3 x 1,825 kW Caterpillar 3516C	
Bow Thruster	2 x 350 kW Schottel STT02	
Harbour Generator	1 x 269 kW Caterpillar C9	
Generator	NA	
Emergency Generator	1 x 40 kW Caterpillar C4.4	
Propulsion	2 x 2,000 kW Schottel SRP 1515 FP	

Deck Equipment		
Crane	1 x 2 T @ 14 m SORMEC M110/FB/5S	
Capstan	2 x 8 tonne MG-HVC-08/450	
Towing Winch	1 x MG-AHTW/WF-70/200 Double Drum Waterfall - Upper Drum	
Capacity	70 T @ 8.5 m/min	
Wire Capacity	52 mm x 800 m	
Brake Holding	200 T	
Anchor Handling Winch	1 x MG-AHTW/WF-70/200 Double Drum Waterfall - Upper Drum	
Capacity	70 T @ 8.5 m/min	
Wire Capacity	52 mm x 800 m	
Brake Holding	200 T	
Shark Jaw	1 x 200 tonne MG-SKJ-200-S	
Towing Pin	1 x 100 tonne Cargotech SWL	
Tugger Winch	2 x 10 tonne MG-HUW10UL-400	
Wire Capacity	200 m x 22 m of 7 layers	
Brake Holding	20 T	
Bow Winch	1 x Split-Drum Type with Level Wind	
Capacity	35 T at 6.5 m/min	
Wire Capacity	52 mm x 800 m; 72 mm x 100 m	
Brake Holding	150 T	
Stern Roller	Cargotec 3 m x 1.5 m (150 tonne capacity)	
Deck Voltage & Sockets - Quantity & Voltage	4 x 440 V 3 phase, 4 x 220/240 V single phase	

Fire Fighting Equipment		
FiFi Class	NA	
Fire Monitor	2	
Total Capacity	2 x 600 m <sup>3</sup> /hr = 1,200 m <sup>3</sup> /hr	
Fire Pump	2	
Total Capacity	35 m <sup>3</sup> /hr	

Rescue Equipment		
FRC	1 x 13 person Noreq AS 650 FRC	
Rescue Zone	Yes	
Dacon Scoop - Quantity	1 x (6 m x 9.5 m)	

Dynamic Positioning		
DP Model	DPS-2 Converteam	
DGPS - Quantity	2	
Joystick	Converteam	

Accommodation		
Cabin (4 Berth)	Qty Nil	
Cabin (2 Berth)	10	
Cabin (Single Berth)	2	
Total Accommodation	22 Pax	

Communication Equipment		
Navtex Receiver	Qty 1	
AIS	1	
Watch Alarm	1	
SSB	1	
Intercom	2	
Inmarsat-C	2	
EPIRB	2	
GMDSS VHF Radio (MF/HF)	2 x VHF, 1 x MF/HF	
GMDSS Handheld VHF	3	

Navigation Equipment		
Magnetic Compass	Qty 1	
Gyro Compass c/w Autopilot	1	
GPS Navigator	1 - Furuno GP150	
Radar	2	
Speed Log	1 - Furuno DS80	

Specialist Equipment		
Bow Fendering	Cylindrical rubber fendering	
Pilot Disembarkation Stations	2 (One on each side)	
Daughter Craft	1 x 10 m twin diesel jet FRC aluminium hull	
Oil Dispersant Boom	NA	
Sewage Treatment Unit	1 MARPOL Compliant + Holding Tank	
Water Maker	3,500 litres/day	