



Anchor Handling Tug Supply Vessels - Pacific Petrel

The P Class vessels offer excellent value to clients because of the fuel efficient design. As with the majority of the fleet, these vessels are equipped with a high specification 150-tonne line pull anchor handling and towing winch system. These lower horsepower offshore vessels offer the versatility to carry out a wide range of tasks, from supporting tanker offtakes, ROV spreads to FPSO positioning and construction support.

The P Class vessels are:

Pacific Panda	Pacific Patriot	Pacific Phoenix
Pacific Papillon	Pacific Peacock	Pacific Porpoise
Pacific Parakeet	Pacific Pelican	Pacific Python
Pacific Parrot	Pacific Petrel	

Top Features

1. High specification winch & line pull.
2. Ideal for field support & towing operations.
3. DPS(1) Classification.

Key Specifications

- Bollard Pull - 63.78 t
- Free Deck Area - 330 m²
- Brake Horsepower - 5147 bHP
- Winch Line Pull - 150 t



General Information	
Vessel Name	Pacific Petrel
Built	Qingdao Qianjin Shipyard, China, June 2011
Flag	Singapore
Call Sign	9V7611
IMO No.	9503407
Classification	
Class Notation	DNV-GL +1A Fire fighter(I) Offshore service vessel(Anchor handling, Towing) DPS(1)
Dimensions	
Length (LOA)	57.5 m
Beam	14.0 m
Summer Draft	5.10 m
Deadweight @ SummerDraft	1546 t
GT	1329
Deck Capacities	
Deck Load Capacity	500 t
Deck Strength	5 t/m ² - General Deck
Free Deck Area	330 m ²
Length x Width	30 x 11 m
Tank Capacities	
NLS	See brine/mud
Brine / Mud	147 m ³ Brine (Multi usage tanks) 332 m ³ Mud (Multi usage tanks, dedicated 185 m ³)
Drill / Ballast Water	372 m ³
Dry Bulk	140 m ³ (In 4 dedicated tanks)
Fresh Water	397 m ³
Fuel Dedicated	566 m ³
Fuel Total	566 m ³

Tank Capacities Details	Refer to Tank Capacities Table
Drilling Brine	See brine/mud
Propulsion / Bollard Pull	
Main Engines	2 x Yanmar 6EY26 diesel engines each 1920 kW = 3840 kW (5147 bHP), Twin CPP propellers in KORT nozzles with Hi-lift flap rudders
Thrusters	1 x Bow tunnel 500 kW / 670 bHP 1 x Stern tunnel 500 kW / 670 bHP
Bollard Pull	63.78 t @ 100% MCR
Deck Equipment	
Anchor Handling Winch	1 x AH winch 150 t 1st layer @ 0-7 m/min Wire capacity 1200 m of 64 mm dia.
Towing Pins	2 x Karmoy 160 t SWL
Shark Jaws	1 x Karmoy 300 t SWL
Stern Roller	RRM 2.0 m x 4.0 m @ 250 t SWL
Capstans	2 x Capstans, 1 x fixed warping head 410 mm x 575 mm @ approx. 7 t at 0-15m/min
Tugger Winches	1 x 10 t pull at approx. 0-15m/min, 150 m of 18 mm wire
Provision Crane	Electric Hydraulic, Fixed Boom Capacity 1.5 t @ 8 m
Chain Gypsies	1 x 76 mm mounted on work drum
Performance & Economy	
Economical Speed	Approx. 10.5 m ³ /Day @ 10 knots
DP<20%	Approx. 4.5 m ³ /Day
DP>35%	Approx. 5.6 m ³ /Day

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Standby in Field	Approx. 4 m ³ /Day
Standby in Port	Approx. 0.9 m ³
Note	Performance & Economy figures are given at mean vessel draft of 4.5 m (1140 t deadweight) & Beaufort Scale 2
Dynamic Positioning System	
Type	GE DPS-11 Simplex DP System
Reference Systems	1 x Fanbeam 1 x Veripos DGNSS
Motion Reference Units	1 x VRU (TSS DMS RP-30) 2 x Gil Wind Observer 2 2 x Gyros Compasses
Rescue Boat	
1. 1 x Vanguard VG 6.0 FRW, 15 person, SOLAS approved FRB with inboard diesel waterjet	
Accommodation	
Person Capacity	Total 22 4 x 1man cabin 5 x 2man cabins (Including hospital) 2 x 4man cabins

Tank Capacities Table

P Class (IMT Design) Tank Capacities @ 100%						
Tank	Volume	WB/DW	FW	FO	Brine	Mud
1 BW Forepeak	33.643	33.643				
2 FW Deep Tk 1P	101.793		101.793			
3 FW Deep Tk 1S	98.138		98.138			
4 FO DB Tk 3C	32.863			32.863		
6 BW DB Tk 2P	55.558	55.558				
7 BW DB Tk 2S	36.527	36.527				
8 FO DB/Wing Tk 4P	79.509			79.509		
9 FO DB/Wing Tk 4S	71.009			71.009		
14 FO Settling Tk P	22.737			22.737		
17 FO Service Tk P	12.695			12.695		
18 FO Service Tk S	12.695			12.695		
19 FO DB Tk 5P	31.071			31.071		
20 FO DB Tk 5S	36.832			36.832		
23 Brine/Mud Tk 1P	73.632				73.632	73.632
24 Brine/Mud Tk 1S	73.632				73.632	73.632
25 Mud Tk 2P	55.638					55.638
26 Mud Tk 2S	55.638					55.638
27 FO DB Tk 6C	59.055			59.055		
28 FO DB Tk 6P	45.213			45.213		
29 FO Wing Tk 7P	58.697			58.697		
30 FO DB Tk 6S	45.213			45.213		
31 FO Wing Tk 7S	58.697			58.697		
32 BW Deep Tk 8P	82.988	82.988				
33 BW Deep Tk 8S	82.988	82.988				
34 Mud Tk 3P	36.578					36.578
35 FW Deep Tk 9P	72.618		72.618			
36 FW Deep Tk 9S	73.378		73.378			
37 BW Aft Peak P	40.081	40.081				
38 BW Aft Peak S	40.081	40.081				
39 Mud Tk 3S	36.578					36.578
40 FW Tk 8C	50.803		50.803			
Dedicated Tanks:	@ 100%	371.866	396.73	566.286		184.432
With Multiuse Tanks:	@ 100%				147.264	331.696
		WB/DW	FW	FO	Brine	Mud
Bulk Capacity of 140 m³ in four dedicated tanks						

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