



M/V Pacific Pilot

- ▶ **Bollard Pull** 53-76 tonnes
- ▶ **Brake Horsepower** 4826-5147 BHP
- ▶ **Clear Deck Space** 324-330 m²
- ▶ **Winch Line Pull** 150 tonnes

M/V Pacific Pilot

Bollard Pull	53-76 tonnes	Brake Horsepower	4826-5147 BHP
Clear Deck Space	324-330 m ²	Winch Line Pull	150 tonnes

General Information

Built:	Labroy Shipyard, November 2004
Flag:	Singapore
Call Sign:	9V6085
IMO No.:	9314492
Classification:	DNV-GL +1A1 Tug DYNPOS(AUT) SF

Dimensions

Length, overall:	56.0 metres
Length, BP:	48.8 metres
Breadth, moulded:	13.5 metres
Depth, main deck:	6.0 metres
Design draft:	5.1 metres
GT:	1184
NT:	403

Capacities

Deadweight (maximum):	1344 tonnes
Clear Deck Area:	29.5 m x 11 m = 324.5 m ²
Deck Strength:	General deck - 5 tonnes / m ² Aft A/H deck - 10 tonnes / m ²
Deck Cargo:	500 tonnes
Fuel:	528 m ³ (dedicated) 850 m ³ (including multiuse tanks)
Potable Water:	415 m ³
Ballast Water:	131 m ³ (dedicated) 453 m ³ (including multiuse tanks)
Brine / DMA / Glycol / Liquid Mud:	107 m ³ (s.g. 2.5) (2 tanks - separate from mud tanks)
Liquid Mud:	214 m ³ (s.g. 2.5) (4 tanks)
Dry Bulk:	135 m ³ (4750 cubic feet) in 4 tanks
Ship's Stores:	Chiller storage - 10 m ³ Freezer storage - 6.5 m ³ Dry Provisions storage - 10 m ³

Machinery

Main Engines:	2 x 1800 kW = 3600 kW (4826 BHP) Bergen C25: 32L6P
Propulsion:	2 x CPP propellers in Kort nozzles 2 x Ulstein high lift independent rudders 2 x Electro-hydraulic steering gear
Bow Thrusters:	1 x 500 kW (670 BHP) producing 7 tonnes thrust
Stern Thrusters:	1 x 500 kW (670 BHP) producing 7 tonnes thrust
Shaft Generators:	2 x 1250 kVA x 440 V, 60 Hz

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Auxiliary Generators: 2 x 338 kW Caterpillar 3406 DITA
 Frequency Converter - 1 x 19 KVA 60 hz to 50 hz Generator 3-outlets.

Towing and Anchor Handling

Bollard Pull: 53.48 tonnes, continuous
 58.00 tonnes, maximum

Main Winch: 1 x Brattvaag SL 150W-B2T double drum low pressure winch

Load Capacity: Towing / A/H drums 1st layer
 150 tonnes at 7.2 m/min
 90 tonnes at 10.9 m/min
 35 tonnes at 21.9 m/min

Brake Capacity: 250 tonnes on towing drum 1st layer
 250 tonnes on A/H drum 1st layer

Tow Drum Wire Capacity: 1200 m x 64 mm diameter

Work Drum Capacity: 1200 m x 64 mm diameter

Chain Gypsy Cable Lifter: 1 x 3 inch chain gypsy

Stern Roller: 1 x 2 m diameter x 4 m width, SWL 250 tonnes

Tow Pins / Guide Pins: 1 x set hydraulic Karmoy, remotely controlled

Wire Chain Stopper: 1 x retractable Karmoy, SWL 250 tonnes, controlled from wheelhouse

Spare Reel Capacity: 1 x 1200 m x 64 mm diameter

Deck Machinery

Tuggers: 1 x 10 tonnes Brattvaag

Capstans: 2 x 6 tonnes Brattvaags

Windlass: 7.2 tonne pull Brattvaag, 2100 kg high holding power anchors
 450 m x 32 mm chain each side, plus 1 spare anchor

Bow Mooring: 1 x mooring drum capacity 150 m x 38 mm synthetic rope

Crane Capacity: 1.5 tonnes at 5.7 m radius

Electronics

Main Radar: 1 x Furuno 21-inch X Band, ARPA

Auxiliary Radar: 1 x Furuno X Band, 15 inch

Auto Pilot: 1 x Kongsberg Simrad AP9 Mk3

Gyro Compass: Tokimec TG6000, with repeater

Magnetic Compass: 1 x Cassen & Plath

Echo Sounder: Simrad Skipper ED161

DGPS : Furuno, GP-90

Anemometer : Young

Communications: G.M.D.S.S. (Global Maritime Distress & Safety System)
 2 x VHF
 2 x Inmarsat C
 3 x VHF (portable)
 1 x EPIRB
 1 x Navtex

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Weather Fax:	Furuno, Fax-207, 8 inch
Satellite Communication:	FBB: Sailor 500
AIS:	Furuno FA-100
VHF:	Furuno DSC-60 55 channel, DSC & multiwatch
BNWAS:	1 x Navigard

Discharge Pumps

Fuel Oil:	1 x 100 m ³ /hr - 7.0 bar
Dirty Oil:	1 x 2.0 m ³ /hr - 2.0 bar
Potable Water:	1 x 100 m ³ /hr - 7.0 bar
Drill Water:	1 x 100 m ³ /hr - 7.0 bar
Liquid Mud:	1 x 75 m ³ /hr - 15.0 bar
Brine / Mud:	1 x 75 m ³ /hr - 15.0 bar
Dry Bulk:	80 m ³ /hr - 5.6 bar, 80 psi, 2 compressors
Cargo Flow Meters :	Fuel Oil and Fresh Water
Hose Connections :	Fuel - 3" Camlock
	Potable Water - 3" Camlock
	Drill Water - 4" Camlock
	Liquid Mud - 4" Camlock
	Dry Bulk - 5" Camlock
	Adapters 4"-5", 5"-4", 4"-3" & 3"-4"

Performance

Speed / Fuel Consumption:	Maximum speed 13.5 knots free running @ 100% MCR - approximate fuel consumption 14.3 m ³ per day
	Economical speed 10 knots - approximate fuel consumption 10.5 m ³ per day
	Idle at sea - approximate fuel consumption 2.3 cubic metres per day
	Idle in port - approximate fuel consumption 0.8 cubic metres per day

Dynamic Positioning

Type:	DP1 – Simplex DP + 3rd Party IJS
Reference Systems:	Veripos, Fanbeam
Joystick:	Poscon - Rolls Royce electronic control system joystick, integrated to main propellers, main engines, rudders, side-thrusters and interfaced to gyro compass

External Fire Fighting

Capacity:	2 x 1200 m ³ /hr = 2400 m ³ /hr
Monitors:	2 x 1200 m ³ /hr mounted on mast table, remotely controlled from wheelhouse
Throw Length:	120 m
Throw Height:	50 m

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Standby Rescue Equipment

1. 1 x Maritime Partner Weedo 17, 6 persons, SOLAS approved Rescue Boat with 2 x diesel outboards.
2. Rescue Zones on both Port and Starboard side, main deck, with scrambling net and personnel transfer swing ropes

Anti-Pollution

Dispersant Tank:	10.6 m ³
Spray Booms:	2 x 6 m

Accommodation

Berths:	4 x 1 (single) berths 5 x 2 (double) berths 2 x 4 (four) berths 22 berths Total 1 x messroom 1 x galley 1 x recreation room All living space fully air-conditioned, design 45 deg C outside, 25 deg C inside
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Environmental Features

1. Cylindrical mud tank free flowing design with external stiffening, sloped floors and dedicated recirculation pumps
2. Cargo load/discharge stations with save all to inboard tank
3. Low residue design bulk tanks
4. 1 x 15 ppm oily water separator
5. 1 x sewage plant, extended aeration type
6. Macerator fitted in galley. Provision for recycling of waste

Miscellaneous

1. Design complies to latest rules and regulations from SOLAS 2000, and IMO 469 (XII) "Guidelines for the design and construction of offshore supply vessel"
2. Bulk systems remotely controlled from wheelhouse. Local printer for Fuel Oil and Fresh Water / Drill Water meters
3. Fitted with water lubricated rubber pusher bow
4. Fitted with 4 halogen searchlights, each 2000 W, wheelhouse top and manually operated from inside wheelhouse, 6 x 1000 W flood-lights, for cargo deck
5. Deck power supplies:
1 X 1000A X 440V X 3Ph
6 X 100A X 440V X 3Ph
2 X 32amps X 220V X 1ph
6. Wood sheathed main deck except for aft area, which is steel plated for anchor-handling. Supplied with Anchor Grapnel

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7. Welding and cutting equipment and lathe in workshop
8. Fresh water ultra violet steriliser
9. Fire detection system fitted to the accommodation, engine room and all other spaces
10. CO2 fire extinguishing system fitted in the engine room / paint locker / hydraulic pump room
11. Statutory liferafts, life-jackets, pyrotechnics
12. Removable crash rail section on main deck to facilitate R.O.V. operations