

# M.V. MMPL MERLIN

## 5000 BHP Platform Supply Vessel (DP2, FiFi 1)



STANFORD MARINE



### PRINCIPAL PARTICULARS:

Year Built	: 2010
Call Sign	: HPCO
IMO	: 9563794
Official No.	: 42099-10-B
Class	: ABS +A1 Fire Fighting Vessel Class 1, Offshore Support Vessel, (E), +AMS +DPS-2, Addtl. Not. RW, UWILD
Flag	: Panama
GRT/NRT	: 2369/710
Deadweight	: 3024.7T

### DIMENSION:

Length Overall	: 63.99 m
Length between	: 61.60m
Breadth Moulded	: 16.80m
Depth Moulded	: 7.50m
Draft Summer	: 6.288m
Freeboard	: 1.2m

### SPEED:

Max Speed	: 12 knots
Eco Speed	: 10 knots

### CAPACITIES:

Fuel oil	: 1297 m3
Fresh Water	: 403 m3
Drill Water	: 642 m3
Liquid Mud	: 455 m3
Bulk Cement	: 192 m3
Lube Oil	: 70 m3
Dispersant	: 20 m3
Foam	: 20 m3
Deck Cargo	: 700 MT
Deck Area	: 600 m <sup>2</sup>
Deck Strength:	: 5T/m <sup>2</sup>
Freezer	: 15 m3
Cooler	: 12m3
Brine	: 206.75 m3

### DISCHARGE CAPACITIES:

Fuel Oil	: 1 x 200 m3 /hr @ 90m head
Fresh Water	: 1 x 150 m3 /hr @ 90m Head
Drill Water	: 1 x 200 m3 /hr @ 90m head
Liquid Mud	: 2 x 75 m3 /hr @ 90m head
Bulk Cement	: 2 x 30 m3 /hr @ 80 psi
Brine	: 1 x 60 m3 @ 50 m head

### ACCOMMODATION:

One Man Cabins	: 5 cabins
Two man Cabins	: 4 cabins
Four Man Cabins	: 6 cabins
Total	: 37 berths
1 X Hospital with 1 bed, fully air conditioned	

### MACHINERY:

Main Engines	: 2 x 2500 BHP (1864 KW Nigata)61-28HX
Propellers	: 2 x Fixed Pitch Well Mounted 3b Azimuths Niigata
Bow Thruster	: 2 x CPP Tunnel Thruster, Approx, 17 Thrust each 1 x 575 Kw/1x 610 Kw- Brunvoll
Generator	: 3 x 800 Kw/1x 330kW/415V/3 ph/50 Hz Deisel Cummins KTA 38-D (M1) & KTA 19-D (M1)
Emergency Generator	: 1 x 86 KWT/415V/50Hz Diesel driven Cummins 6BTS. 9 –D(M)

### DECK & AUX. EQUIPMENT:

Anchor	: 2 x 1850kgs Stockless Bower or 1980 Kgs HHP
Chain	: Total length 935m x 46mm U2 stud link chains
Anchor Windlass	: 1 x electro hydraulic with 2 cable lifter & 2 warping heads
Winch Rating	: 13 MT @ 18m/min for 46mm DIA chains
Capstan	: 2 x 10 MT @ 25m/min electro hydraulic
Tugger Winch	: 1 x 6 T electro Hydraulic
Deck Crane	: Load S.W.L : 2.2 T/Boom Length: 12.2m

### RADIO AND NAVIGATION EQUIPMENT:

GMDSS (Area 3)	1 x MF/HF-DSC Radio Telephone
1 x Inmarsat C with EGG	1 x SSB Radio
2 x VHF – DSC Radio Telephone	1 x Navtex receiver
1 x EPIRB	1 x GPS Plotter
3 x VHF Portable Radios	3 x Gyro Compass
1 X magnetic Compass	1 x Weather Fax receiver
1 x Autopilot	1 x Echo Sounder
1 x Doppler Speed Log	1 x Anemometer
1 x PA / Talkback system	1 x Chronometer
1 x Auto Telephone system	1 x Joystick Control
1 x Aneroid Barometer	Reference Systems DGPS- Fanbeam
1 x Inclinator	1 x 96nm X-band Radar (ARPA )
DP System Kongsberg K- Pos 21	1x 96nm S-band Radar
1 x TV and Radio system	

### FIRE FIGHTING AND LSA EQUIPMENT:

EXTERNAL FIFI	: 2 x 1500 m3 /hr@14bar/140 MIC/1800 RPM
Pump	: 2 x1200 m3 /hr@12bar(with remote control) throw height 45m from sea level
Monitors	: One Monitor fitted with double barrel for foam discharge
1 x Water Spray Curtain round	
Engine room water Spray System	
1 x BA recharging compressor of 75lts/min @ 200 bar 2750 @ 6.3m draught	

### LIFE SAVINGS

inflatable Life rafts 2 x 6 + 4 x 20 persons	
1 x FRC for 15 men, inboard Jet Propulsion & single point davit	
2 x 1000W Floodlights 3 x 2000W Searchlights	
1 x daylight Signaling light	

### AUXILIARY EQUIPMENT:

1 x Sewage Treatment Plant suitable for 40 men	
2 x Air Compressor	
1 x Oily Bilge Water Separator	
Capacity 1.0 m3 /hr with oil content less than 15 ppm	