

Our Fleet

SEAMEC PALADIN

[A diving support vessel



SEAMEC LIMITED

MMG
MM AGRAWAL GROUP

PRINCIPAL PARTICULARS AND DIMENSIONS

Principal Particulars

Vessel Name	:	MV "SEAMEC PALADIN"
Previous Name	:	"SUBTEC PALADIN"
Owners	:	Seamec Limited
Operators	:	Seamec Limited
IMO Number	:	9388091
Call Sign	:	3E3949
Flag State	:	Panama
Port of Registry	:	Panama
Builders	:	Kleven Verft, Norway AS.
Year of Build	:	2008

Principal Dimensions

Length (OA)	:	103.70m
Beam	:	19.70m
Depth	:	15.80 m
Gross Tonnage	:	5648GRT
Net Tonnage	:	1695MT
Lightship	:	-
Deadweight	:	4500MT
Main Engines	:	Diesel Electric Installation 690V, 3 phase 60Hz Comprising: 4 x Caterpillar 3516TA-C, MCR 2,188kW, 2,100 EKW of electrical power each 1 x Caterpillar 3508TA-B MCR 968kW, 910 EkW
Generators/Alternators	:	4 x JFJ3 631-4 SD22, 2335KVA 1 x JFJ3 454-4 SD22, 1137KVA
Cargo Holds	:	N/A
Cranes	:	Main Offshore Crane, Offshore knuckle boom type with active heave compensation on main winch. 1 x 140T SWL ROV Crane at 9m 1 x 10T SWL stbd. deck offshore crane at 12m 1 x 5T SWL port deck stores crane

Tank Capacities

Ballast	:	Refer to Appendix -Tank Plan
Diesel Fuel Oil	:	1319m3
Lubricating Oil	:	Refer to Appendix -Tank Plan
Fresh Water	:	1320m3



Performance

Service speed abt. 10-11 knots

Cargo deck

Clear deck area 53.10m x 19.2m = 900m² (apx)
Deck load stern - fr#84 53.10m x 19.2m = 900m² (apx)
Deck load fr#84 - fr#109 53.10m x 19.2m = 900m² (apx)
Deck load with crane ops 53.10m x 19.2m = 900m² (apx)
Deck load without crane ops 53.10m x 19.2m = 900m² (apx)

Thrusters

Main propulsion 2 x Aquamaster Azipull
2,200 kW (2,950 BHP)
BowThruster Azimuth 1 x R-R 883 kW (1,200 BHP)
BowThruster Tunnel 2 x R-R 1050 kW(1,400 BHP)

Fire Fighting Equipment External

Classification : FIFI-I & FIFI-II with water spray
Pump Capacity 7200 m³ /h
Monitor 4(Fire) & 2 (Foam)

Pump capacities

Fuel oil 2 x 90 m³/hr @ 9 bar
Potable water 2 x 90 m³/hr @ 9 bar
Potable water generators 2 x 90 m³/hr @ 9 bar

Stabilisation

Two passive roll reduction stabilisation tanks

DP2 system

IMO Class 2 DP System - Kongsberg K-Pos DP-21
 2 x DGPS
 1 x HiPAP
 1 x Hull penetration prepared for 2nd HiPAP
 2 x Taut Wire
 1 x Fanbeam



Accommodation

Wheelhouse, accommodation and office spaces fully air conditioned, all serviced with LAN and Sat TV sockets.

Single berth cabins 24 with en-suite

Double berth cabins 30 with en-suite

4 berth cabins 4 with en-suite

Deck machinery / cranes

Main Offshore Crane, Offshore knuckleboom type with active heave compensation on main winch.

Main winch (Double fall) 140t @ 9m

Main winch (Single fall) 70t @ 15m, 30t @ 25m

Operating depth mainhoist 2000 metres
(Subject to Wire Length)

Auxy winch 10t @ 26m

Auxy winch (manriding) 1t @ 26m

Note: Aux winch is not designed for subsea use

Stbd deck offshore crane 10t @ 12m (man riding)

Port deck stores crane 5t @ 15m

Dive system

Classification DNV

Capacity 18 person system

Depth rating 300m

Sea state design criteria 4m significant wave height

Bell chambers 1 x 3 divers
2 x 6 person & 2 x 3 person

Hyperbaric lifeboat 1 x 18 man SPHL

Mixed gas storage 13,000 m3

Moonpool 4.0m x 4.2m

Dive emergency alternator 550 EkW, 440V, 60Hz

Chamber gas reclaim system

Diver gas reclaim system

Complement 100 persons

Mess room 48 persons

Hospital 1 person

3 x recreation rooms + coffee area

Gymnasium

Charterer's areas

Project Office, Dive Office, Conference Room, Clients Office, Workshop, Survey area.

Helideck

D value of 19.5m and max gross weight of 9.2mt

Heli-reception room and full emergency equipment

