

**M/V TIDEBON 801**  
TECHNICAL SPECIFICATIONS

**VESSEL NAME:** M/V TIDEBON 801  
**TYPE:** DP-3 MULTI-PURPOSE SUBSEA SUPPORT VESSEL

- BUILT:** 2011, BV CLASSED
- LENGTH:** 100.2 m
- BEAM:** 21 m
- ACCOMMODATION:** 105 PERSONNEL
- MAIN CRANE:** 150-TON ACTIVE HEAVE COMPENSATED
- AUXILIARY CRANE:** 40-TON ARC
- HELIDECK CAPABILITY:** TO HANDLE PUMA A6332L2/EC225
- PROPULSION:** DIESEL-ELECTRIC WITH PRAXIS DP-3 SYSTEM
- PROPULSION:** DIESEL-ELECTRIC WITH PRAXIS
- CARGO CAPACITY:** 2,000+ TONS
- SAFETY:** FIFI-1 FIREFIGHTING CAPABILITY
- CAPABILITIES:** OFFSHORE CONSTRUCTION, ROV, DIVING, SURVEY, IMR

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## Main Particulars

IMO No.	9615987
Flag	Singapore
Length Overall (LOA)	100.20m
Breath Moulded	21.00m
Depth	8.00m
Draft	6.00m
Deadweight @ Max draft	4,849t
GRT / NRT	5830t / 1749t
Helideck	S61 / Super Puma
Year Built / Design / Builder	2011 / Guido Perla C Associates / Sinopacific
BV Class Notation	1 ✕ HULL ✕ MACH, Offshore Supply Vessel, Oil recovery Ship, Chemicals products, Oil Products, Special service/stand by rescue vessel (150 survivors in tropical area), Fire Fighting Ship 1, Water spraying, Unrestricted Navigation, ✕ AUT-UMS, ✕ ALM, ✕ DYNAPOS-AM/AT-RS, +SDS, COMF-NOISE 3, COMF-VIB3, CLEANSHIP SUPER



## Speed and Consumption (Approx.)

Max Speed(Light Ship)	12kts - 26T/day
Eco Speed	9-10kts - 18T/day
DP	12T/day
Standby at Port	3T/day

# DP 3 Multi-Purpose Support Vessel TIDEBON 801

Propulsion	
6 engines in 2 separate engine rooms & 1 additional	7x 1,235kW
Variable Speed Stern Azimuth(FP)	3x 1,686kW
Variable Speed Bow tunnel thruster(FP)	2x 843kW
Retractable Azimuth Thruster forward	1x 843kW
Emergency Generator	450kW



Navigation & Communications	
<b>DP</b>	Class III DP System (DYNPOS) - GE 2x DGPS Aquarius Thales type 1 C 2 Cyscan MRU type DMSO5 C RP25 2x Wind sensors 3x Meridian TSS Gyro
<b>Navigation</b>	1x radar S-band  1x radar X- band  1x radar Slave
<b>Communications</b>	UHF, VHF, Vsat C , Fleet 77  KU Band  Cat 5 network (for all cabins)

Deck Space	
Clear Deck Area (5t/m2, 10t/m2 aft)	940m2
Sheltered Deck area (5t/m2)	130m2
Mezzanine deck area	230m2
Deck cargo	2,000t / 1600t

Tank Capacities transfer rate	
<b>Fuel Oil</b>	1,096m3  150m3/h @7bars
<b>Fresh Water</b>	946m3  150m3/h @7bars
<b>Ballast water</b>	2,508m3  2x 1,500m3/h
<b>Special Products / Methanol</b>	374m3  2x 100m3/h @9bars
<b>Oil Recovery</b>	300m3

Deck Equipment	
<b>Main Crane</b>	AHC Knuckle Boom, Hydra marine
<b>Main Winch (AHC) Harbour Operation</b>	DAF 1.2 150t @10m - 35t @35m
<b>Offshore Operation</b>	DAF 1.4 150t @10m - 25t @ 35m
<b>Secondary Winch (AHC)</b>	20t @ 36m - Man riding
<b>2nd Deck Crane</b>	AHC Offshore Crane, SMST (Man riding)
<b>Harbour Operation</b>	40t @9m - 20t @21m
<b>Offshore Operation</b>	40t @9m - 12t @21m
<b>Deck ROV power Supply</b>	2x 500kW -480V
<b>Deck Service Air Compressor</b>	1,200m3 @6.3bar
<b>Capstans</b>	2x 10t
<b>Tugger Winch</b>	1x 15t
<b>Moon Pool ready</b>	8m x 8m
<b>Optional</b>	8 points Mooring system

Accommodations	Total 105 pax
Single cabins	33
2 men cabins	36
Office	4
Conference Room	1 (10 pax)
Hospital	1
Mess / Day room	2
Workshop	2

Safety Equipment	
<b>FiFi Class 1</b>	Pump - 2x 2,400m3/h  Monitor - 2x 1,200m3/h
<b>150 pax rescue equipment as Per SOLAS</b>	

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