

M/V TIDEBON 803 TECHNICAL SPECIFICATIONS

VESSEL NAME: M/V TIDEBON 803
TYPE: DP-3 MULTI-PURPOSE SUBSEA SUPPORT VESSEL

BUILT:
2013,
BV CLASSED

LENGTH:
100.2 m

ACCOMMODATION:
105
PERSONNEL

BEAM:
21 m

MAIN CRANE:
150-TON
ACTIVE HEAVE
COMPENSATED

**AUXILIARY
CRANE:**
40-TON
AHC

**HELIDECK
CAPABILITY
TO HANDLE PUMA
AS332L2/EC225**

CARGO CAPACITY:
2,000+
TONS

PROPULSION
DIESEL-ELECTRIC WITH
PRAXIS DP-3 SYSTEM

PROPULSION
DIESEL-ELECTRIC
WITH PRAXIS

SAFETY
FIFI-1 FIREFIGHTING
CAPABILITY

CAPABILITIES
OFFSHORE CONSTRUCTION, ROV,
DIVING, SURVEY, IMR

SingTech
INNOVATING OFFSHORE. DELIVERING EXCELLENCE

Main Particulars

IMO No.	9639804
Flag	Singapore
Length Overall (LOA)	100.20m
Breadth Moulded	21.00m
Depth	8.00m
Draft	6.00m
Deadweight @ Max draft	4,667t
GRT / NRT	6146t / 1843t
Helideck	S61 / Super Puma
Year Built / Design / Builder	2013 / 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 803

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	
DP	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
Navigation	1x radar S-band 1x radar X- band 1x radar Slave
Communications	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	
Fuel Oil	1,096m3 150m3/h @7bars
Fresh Water	946m3 150m3/h @7bars
Ballast water	2,508m3 2x 1,500m3/h
Special Products / Methanol	374m3 2x 100m3/h @9bars
Oil Recovery	300m3

Deck Equipment	
Main Crane	AHC Knuckle Boom, Hydra marine
Main Winch (AHC) Harbour Operation	DAF 1.2 150t @10m - 35t @35m
Offshore Operation	DAF 1.4 150t @10m - 25t @ 35m
Secondary Winch (AHC)	20t @ 36m - Man riding
2nd Deck Crane	AHC Offshore Crane, SMST (Man riding)
Harbour Operation	40t @9m - 20t @21m
Offshore Operation	40t @9m - 12t @21m
Deck ROV power Supply	2x 500kW -480V
Deck Service Air Compressor	1,200m3 @6.3bar
Capstans	2x 10t
Tugger Winch	1x 15t
Moon Pool ready	8m x 8m
Optional	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	
FiFi Class 1	Pump - 2x 2,400m3/h Monitor - 2x 1,200m3/h

150 pax rescue equipment as Per SOLAS

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