

Type VS 483 MkII - Platform Supply Vessel

OUTLINE SPECIFICATION / DATA SHEET



GENERAL

Builder / Year	Wuchang China / 2008
Flag / POR	Bahamas / Nassau
Class	DNV + 1A1, SF, OIL REC, E0, Dynpos-AUTR, CLEAN, COMF-V(3) C(3), DK(+), HL(2.8), Tmon. Intact & Damage Stability according to IMO Resolution A.469 (XII).
Gross tonnage	3,665
Nett tonnage	1,582
Deadweight (summer)	5,324 tonnes

DIMENSIONS

Length OA	87.40 m
Breadth mld.	19.00 m
Draught (summer)	6.55 m

PERFORMANCE

Service speed	abt. 10 - 12 knots
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CARGO DECK

Clear deck area	abt. 63.8m x 16.0m = 1,020 m ²
Deck strength	5 tonnes /m ²
Deck load	Up to 3,210 tonnes

CARGO CAPACITIES

Fuel oil cargo	abt. 980 m ³
Ship's fuel oil	abt. 749 m ³
Potable water	abt. 1,723 m ³
Drill water	abt. 1,034 m ³
Dry bulk @ 5.5 Bar.	abt. 8 x 54.3 m ³ = 434 m ³ (15,256 ft ³)
Liquid mud @ 2.8 sg	abt. 450 m ³ - (2,836 bbls)
Base oil	abt. 225 m ³ - (1,418 bbls)

CARGO PUMPING

Fuel oil cargo	2 x 150 m ³ /hr @ 9 bar
Potable water	2 x 150 m ³ /hr @ 9 bar
Drill water	2 x 150 m ³ /hr @ 9 bar
Dry bulk compressors	2 x 30 m ³ /m @ 5.6 bar
Liquid mud	2 x 75 m ³ /hr @ 21 bar
Base oil	1 x 150 m ³ /hr @ 9 bar

STABILISATION

Two passive roll reduction stabilisation tanks

DP2 SYSTEM

DP / Joystick Control	IMO Class 2 DP System – Kongsberg K-Pos DP-21
Reference systems	Fan beam laser + 2 x DGPS

PROPULSION

Two Wärtsilä W6L32: 6cyl in line marine diesel engines each developing 3,000 kW @ 750 rpm each driving a 2,000 kW shaft alternator and CP propeller.
Two independent spade rudders.
Total developed power 6,000 kW (8,042 BHP)

ECONOMIC MODE

Only one engine is required to operate in the Economic Mode, with either engine driving two propellers. One propeller via gearbox, conventional drive, the other propeller via shaft alternator / electric motor, diesel electric drive.

GENERATORS

440V / 3Ph / 60Hz	
Shaft alternators / motors	2 x 2,000 kW
Main alternators	2 x 320 kW
Emergency alternator	1 x 250 kW

THRUSTERS

Forward tunnels	2 x 830 kW
Aft tunnels	2 x 830 kW

DECK MACHINERY

Deck/stores crane	5t SWL @ 15 m radius
Tugger Winches	2 x 12t hyd.
Capstans	2 x 10t hyd.

ACCOMMODATION

Wheelhouse and accommodation fully air conditioned	
Single berth cabins	2 suites + 10 en-suite
Two & four berth cabins	2 x 2 + 2 x 4
Complement	24 persons

OIL RECOVERY AND DISPERSANT

Portable deck mounted recovery booms, skimmers and pumps can be provided. Built-in ORO storage tanks.

Recovered Oil Tanks	450 m ³ (approx)
Slops Tanks	96 m ³ (approx)

Portable deck mounted dispersant booms and ejectors can be provided. Built-in dispersant tank 10.0 m³