PACIFIC VIPER





IMT 966 AHTS

Vessel Characteristics

Length, Overall:	216.5 ft	66 m			
Beam:	52.5 ft	16 m			
Depth:	24 ft	7.3 m			
Maximum Draft:	20.3 ft	6.2 m			
Freeboard:	3.6 ft	1.1 m			
Displacement:	4,530 lt	4,600 mt			
Deadweight:	2,430 lt	2,470 mt			
Clear Deck Space:	107 x 42 ft	33 x 13 m			
Clear Deck Area:	4,480 ft²	420 m ²			
Deck Strength AFT:	1,020 lb/ft²	5 t/m²			
Class Notations:	DNV: +1A, Fire fighter(I), Offshore service vessel(Anchor handling, Towing), DYNPOS(AUTR), EO				

Capacities

Deck Cargo:	860 lt	870 t
Fuel Oil:	299,000 gal	1,130 m ³
Potable Water:	120,000 gal	460 m ³
Drill/Ballast Water:	246,000 gal	930 m ³
Bulk Tanks (4 tanks):	6,530 ft³	180 m ³
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	2,920 bbl	460 m ³
Brine:	780 bbl	120 m ³
Oil Dispersant:	2,550 gal	9.6 m ³

TIDEWATER Find out more

Pg.2 Further Specifications

Pg.4 General Arrangement

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Pg.5 Capacity Table Pg.6 DP Capability Plot

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PACIFIC VIPER Further specifications



Machinery

Main Engines (2):			MAN 9L27/38			
Total HP:	8,81					
Propellers (2):	MAN CPP					
Gears (2):	MAN					
Kort Nozzles:		2				
Rudders (2):		HI-LIFT FLAP RUDDERS				
Primary Generators (1):	270 kw	440 v	60 hz			
Driven by:			CAT 3406			
Secondary Generators (2):	1,280 kw	440 v	60 hz			
Driven by:		М	AIN ENGINES			
Emergency Generators (1):	270 kw	440 v	60 hz			
Driven by:			CAT 3406			
Bow Thruster (2):		BRUNVOLL FU	-63-LTC-1550			
Driven by:		600KW ELECT	RIC MOTORS			
Total Thrust:		20.1 st	18.2 mt			
Stern Thruster (2):		BRUNVOLL FU	-63-LTC-1550			
Driven by:		600KW ELECT	RIC MOTORS			
Total Thrust:		20.1 st	18.2 mt			

Tow/Anchor Handling

Winch:	Double Drum Winch (320T Brake)
Model:	Hydrakraft/Odim 250T Waterfall
Line Pull:	250 mt
Tow/AH Wire:	1,500 m / 1,500 m of 71 mm
Pennant Reels (2):	1,500 m of 71 mm
Shark Jaw:	2 X 300 T SWL
Tow Pins:	2 X 160 T SWL
Chain Lockers (1):	2,400 m of 76mm chain
Chain Handler:	1X76MM + 1X84MM
Stern Roller:	RRM SINGLE DRUM (2 X 5.5 M); 400 mt SWL
Misc. Tow Equipment:	1xSpare Store Reel 1000m x 76mm; 1x200 t Smit Towing Bracket

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Seeed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF; 1 x SSB
Sat Com:	2 X INMARSAT C

Performance*

Fuel Consumption Vs Speed						
Maximum:	27.1 m³/day (300 gph) @ 13 knots					
Cruising:	20.7 m³/day (230 gph) @ 11 knots					
Economical:	15 m	n³/day (170 gph) @ 10 knots				
Standby:	1.3 m³/day (14.3 gph) @ 0 knots					
Bollard Pull	130 st	120 mt				
Transfer Rates						
Fuel Oil:	440 gpm @ 230 ft	100 m³/h @ 71 m				
Potable Water:	660 gpm @ 230 ft	150 m³/h @ 71 m				
Drill/Ballast Water:	660 gpm @ 230 ft	150 m³/h @ 71 m				
Bulk:	27.3 cfm @ 190 ft	46.3 m³/h @ 57 m				
Liquid Mud:	330 gpm @ 600 ft	75 m³/h @ 180 m				
Brine:	330 gpm @ 600 ft	75 m³/h @ 180 m				

Accommodations

No. of Berths:	30
Cabins:	8x1-man, 3x2-man & 4x4-man
Certified to Carry:	30
Galley seating:	14
Hospital:	Yes

Deck Equipment

Anchors (2):	2100 KG
Anchor Chain:	440 m of 36 mm chain per side
Windlass:	10T Hydrakraft
Crane (1):	5 t @ 13 m
Capstans (2):	10 t HYDRAKRAFT
Tugger (2):	10 t HYDRAKRAFT

*Approximate values assuming Ideal Conditions

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PACIFIC VIPER Further specifications



Registration

Flag: SINGAPORE	Hon	ne Port: SINGAPORE
Hull Number: 166		IMO N ⁰ : 9361689
Year Built: 2008		Call Sign: 9V2033
Builder:	P.T. Naning	dah Mutiara Shipyard
Tonnage (ITC):	2147 GT	644 NT

Special Equipment

Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Laser-based
Mud Circulation System:	Yes
Rescue Zone:	Yes
Rescue Boat:	Maritime Partner MP660 Springer, 10 Persons
Reefer Sockets:	6x 440V 63A 3ph
Misc:	MSD; HiPAP Ready; ROV Sockets: 2x500A, 440V, 3ph; 1x63A, 440V, 3ph; 1x32A, 440V, 3ph

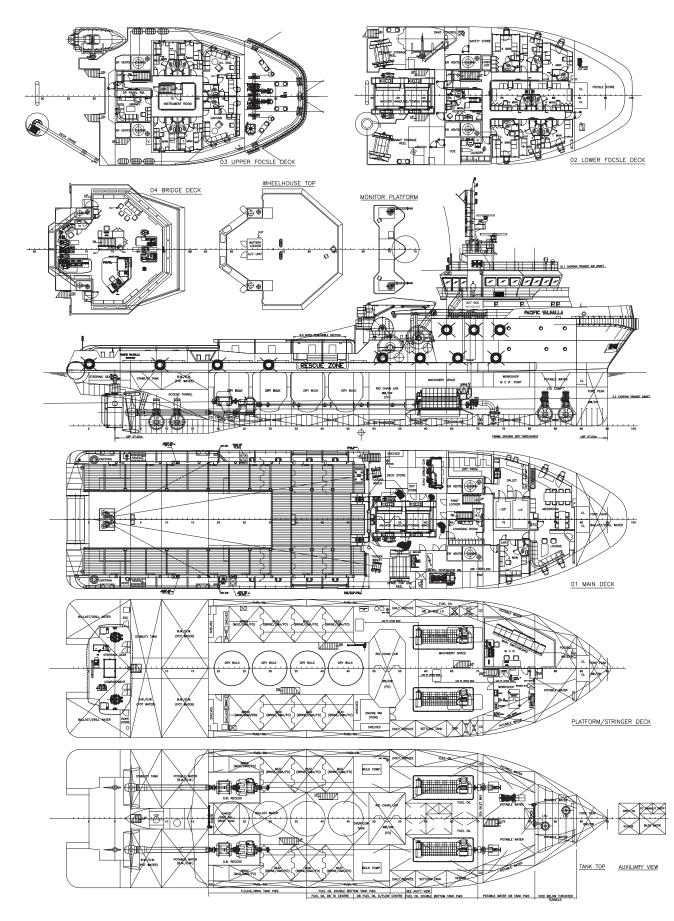
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PACIFIC VIPER General Arrangement (Current configuration may vary.)





NOTICE: The

PACIFIC VIPER Capacity Table



COREPEAK TK DB TK 5 C JPPER DEEP TK 6 P JPPER DEEP TK 6 S STAB TK 1 AFT PEAK P AFT PEAK S RIG CHAIN LKR P/S DB/WING TK 1 PS DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 SB OWER DEEP TK 6 P OWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB DB/WING TK 4 SB DB/WING TK 4 SB DB/WING TK 5 PS	DW/WB DW/WB DW/WB DW/WB DW/WB DW/WB DW/WB/FO SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW	m ³ 108.3 54.3 131.2 173.1 68.7 68.7 195.6 55.3 76.0 86.5 86.5 76.4 74.5		0il	Bulk	108.3 54.3 131.2 131.2 173.1 68.7 68.7 195.6	Water	Water		Mud		Oil		Disp.
DB TK 5 C JPPER DEEP TK 6 P JPPER DEEP TK 6 S STAB TK 1 AFT PEAK P AFT PEAK S RIG CHAIN LKR P/S DB/WING TK 1 PS DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 SB 	DW/WB DW/WB DW/WB DW/WB DW/WB DW/WB DW/WB/FO SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW	54.3 131.2 131.2 173.1 68.7 68.7 195.6 55.3 76.0 86.5 86.5 76.4		195.6		54.3 131.2 131.2 173.1 68.7 68.7								
JPPER DEEP TK 6 P JPPER DEEP TK 6 S STAB TK 1 AFT PEAK P AFT PEAK S RIG CHAIN LKR P/S DB/WING TK 1 PS DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 PS DB/WING TK 2 SB .OWER DEEP TK 6 P .OWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	DW/WB DW/WB DW/WB DW/WB DW/WB/FO SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW	131.2 131.2 173.1 68.7 68.7 195.6 55.3 76.0 86.5 86.5 76.4		195.6		131.2 131.2 173.1 68.7 68.7								
JPPER DEEP TK 6 S STAB TK 1 AFT PEAK P AFT PEAK S RIG CHAIN LKR P/S DB/WING TK 1 PS DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 PS DB/WING TK 2 SB DB/WING TK 2 SB DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	DW/WB DW/WB DW/WB DW/WB/FO SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW	131.2 173.1 68.7 195.6 55.3 76.0 86.5 86.5 76.4		195.6		131.2 173.1 68.7 68.7								
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AFT PEAK S RIG CHAIN LKR P/S DB/WING TK 1 PS DB/WING TK 1 PS DB/WING TK 2 PS DB/WING TK 2 PS DB/WING TK 2 SB LOWER DEEP TK 6 P LOWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	DW/WB DW/WB/FO SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW FO	68.7 195.6 55.3 76.0 86.5 86.5 86.5 76.4		195.6		68.7								
RIG CHAIN LKR P/S DB/WING TK 1 PS DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 SB OB/WING TK 2 SB OWER DEEP TK 6 P OWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	DW/WB/FO SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW FO	195.6 55.3 76.0 86.5 86.5 76.4		195.6										
DB/WING TK 1 PS DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 SB DB/WING TK 2 SB DB/WING TK 2 SB DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW FO	55.3 76.0 86.5 86.5 76.4												
DB/WING TK 1 SB DB/WING TK 2 PS DB/WING TK 2 SB DB/WING TK 2 SB DB/WING TK 2 SB DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW FO	76.0 86.5 86.5 76.4					55.3							
DB/WING TK 2 PS DB/WING TK 2 SB DB/WING TK 2 SB DB/WER DEEP TK 6 P DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	SHIP'S FW SHIP'S FW SHIP'S FW SHIP'S FW FO	86.5 86.5 76.4					76.0							
DB/WING TK 2 SB OWER DEEP TK 6 P OWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	SHIP'S FW SHIP'S FW SHIP'S FW FO	86.5 76.4					86.5							
OWER DEEP TK 6 P OWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	SHIP'S FW SHIP'S FW FO	76.4					86.5							
LOWER DEEP TK 6 S DB/WING TK 3 PS DB TK 3 SB DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB	SHIP'S FW FO						76.4							
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DB TK 4 PS DB/WING TK 4 PS DB/WING TK 4 SB		74.7		74.7										
DB/WING TK 4 PS DB/WING TK 4 SB	FO	42.9		42.9										
DB/WING TK 4 SB	FO	106.6		106.6										
	FO	106.6		106.6										
	FO	103.7		103.7										
DB/WING TK 5 SB	FO	103.7		103.7										
O DAY TK PS	FO	35.0		35.0										
O DAY TK SB	FO	35.0		35.0										
O SETTLING TK SB	FO	41.0		41.0										
MUD TK 1 PS	LM/FO	77.4		77.4						77.4				
MUD TK 1 SB	LM/FO	77.4		77.4						77.4				
MUD TK 2 PS	LM/FO	77.4		77.4						77.4				
MUD TK 2 SB	LM/FO	77.4		77.4						77.4				
MUD TK 3 PS	LM/FO	77.4		77.4						77.4				
MUD TK 3 SB	LM/FO	77.4		77.4						77.4				
BRINE TK 1 PS	BR	63.8		11.4					63.8	11.00				
BRINE TK 1 SB	BR	60.8							60.8					
CEM TANK 1	DRY BULK	46.2			46.2				00.0					
CEM TANK 2	DRY BULK	46.2			46.2									
CEM TANK 3	DRY BULK	46.2			46.2									
CEM TANK 4	DRY BULK	46.2			46.2									
ME & GEN LO TK	LO	12.8			40.2							12.8		
THR LO STORES	LO	4.4										4.4		
DISPERSANT TK	DISP.	9.6										4.4		9.6
l_	Total Vo	olume [m ³]	0.0	1,437.8	184.8	931.1	455.1	0.0	124.6	464.6	0.0	17.2	0.0	9.6
	Spec Sheet Total Vo		0.0	1,131.3		931.1	455.1	0.0	124.6	464.6	0.0	17.2	0.0	9.6

*Capacities shown are for lead vessel. Actual capacities may vary slightly.

 $^{\ast}\mbox{Capacities shown in RED}$ are excluded from the total volume.

*Capacities shown in **BLUE** are included in another Tank's Capacity.

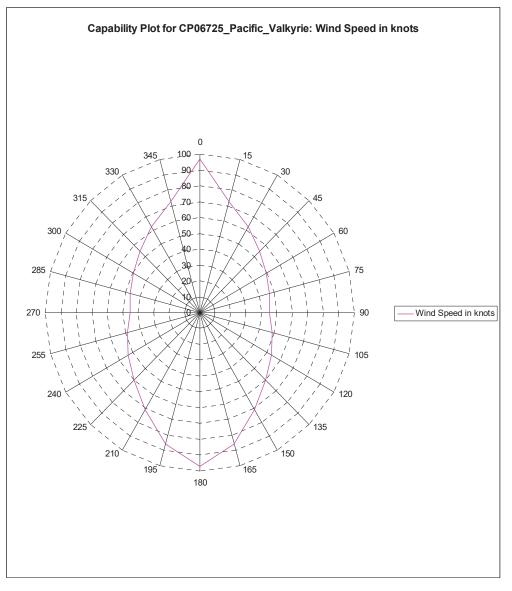
*Capacities shown in GREEN are counted for multiple Tank Capacities.

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PACIFIC VIPER DP Capability Plot





Wind Angle is stepped from 0 to 360 deg. Wave Angle is stepped from 0 to 360 deg. Current Angle is stepped from 0 to 360 deg. Wind Speed is Set Automatically. Wave Height is Derived from Wind Speed. Current Speed is 1.5 knots.



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