



MV “Dina Polaris”

Multi Function Offshore Support/ Platform Supply Vessel



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MV “ DINA POLARIS”

UT 7521 WP- Multi Function Offshore Support/Platform Supply Vessel



Owners

Dina Polaris AS, N-5953 Fønnes, Norway

Built

Besiktas, Turkey Yard #75, August 2017

Classification

DnV +1A1, SF, E0, OFFSHORE SERVICE VESSEL, DK(+), HL(2,8), CLEAN DESIGN, NAUT OSV(A), RECYCLABLE, BWM-T, ECA(SOx-A), LFL(*), COMF V(3)C(3), DYNPOS AUTR, SPS, ICE 1A, WINTERISATION BASIC

Dimensions

LOA	98,90 m
Breadth (moulded)	21,00 m
Depth (to main deck)	8,60 m
Draft (design)	6,00 m
Draft (max) SF	7,08 m
GRT	6986
NRT	2089
Deadweight at 7,08 m	6053 t
Displacement	10753 t

Machinery

Main Engines	4 x MTU-16V 4000 M63L-2240 kW, 900-1800rpm Total 8960 kW-12015 bhp
Generators	4 x 2240 kW 575/690V-60 Hz
Harbour Generator	1 x 350 kW
Bow Thrusters	2 x Tunnel 970 kW-CPP 1 x Azimuth 883 kW-FP
Azimuth Propellers	2 x Azipull 120 CPP, 2200 kW, Ø3000 mm

Environmental Features:

Ballast water treatment System, Exhaust Gas Cleaning by Selective Catalytic Reduction Converter with 95% NOx reduction. Rolls Royce SaveCube for Energy Optimisation. LED lighting fitted where possible.

Deck Machinery

Capstans	2 x 10 t
Tugger Winches	2 x 15 t
Mooring Winches-aft	2 x 10 t 0-16 m/min
Anchor windlass	2 x 21 t 0-38 m/min
Deck Crane STB	5t@13,5m, 2t@24m, foldable, man-riding
Anchors	2 x Stockless,
Anchor Chain	Ø52 mm
Garbage Incinerator	Fitted

Cargo Capacities

Deck Area	Approx. 1000 m ²
Mezzanine Deck	7 x 21 m, 5 t/m ²
Deck Load SF	3200 t @ 1 m VCG
Deck strength	10 t/m ²
Fuel Oil*	2500 m ³
Potable Water	1200 m ³
Drill/ballast Water	2790/4660 m ³

Liquid Mud *	1144 m ³ /SG 2,8
Brine	1111 m ³ /SG 2,8
Base Oil	200 m ³
Methanol/Special P.	219 m ³
Dry Bulk	340 m ³ / 11993 cu.ft.
Reefer connections	10 x 230V/16A-60kVA

*Liquid Mud tanks fitted with hydraulic agitators and hot water tank cleaning machines

Discharge Rates

Fuel	1 x 0-200m ³ /hr @ 90 m
Pot Water	1 x 0-200m ³ /hr @ 90 m
Drill Water	1 x 0-200m ³ /hr @ 90 m
MUD	2 x 0-100 m ³ /hr 18 bar
Brine	1 x 0-100 m ³ /hr 18 bar
Base/Fuel Oil	1 x 0-150 m ³ /hr @ 90 m
Methanol/Spec. Prod	2 x 0-75 m ³ /h @ 90 m
Dry Bulk	2 x 30 m ³ /min @ 5,6 bar

Flow meters fitted on Fuel lines. Pot. Water tanks fitted with sampling points and fittings for chlorination. Sniffer system for Gas detection (HC,H₂S and O₂) installed

Bulk Connections

Location:	
Fuel oil	Mid STB/PS, Aft PS
Pot water	Mid STB, Aft STB
Drill water	Mid STB/PS, Aft STB
Dry bulk	Mid STB/PS, Aft STB/PS
Liquid Mud	Mid STB/PS, Aft STB/PS
Brine	Mid STB/PS, Aft PS
Base Oil	Mid STB/PS, Aft PS
Methanol/Spec.prod	Aft PS
Couplings:	
Fuel, Slop, Methanol,	
Special Products	4" Avery Hardoll
Water, MUD, Brine,	4" Wecco
Dry Bulk	5" Best

Speed & Consumption*

Econ speed	10 knots/10,7 t **
	11 knots/13 t **
	14 knots/20 t **
DP-operations	5,5 t
St.by. Offshore	3 t
Port/harbour	1,4 t

*Consumption of MGO/24 hours in Sea-state 2. Fuel to comply with ISO fuel standard 8217:2010 DMA, max Sulphur 0.1 %

** With open moonpool

Navigation Equipment

Navigation Control	RR Unified Bridge
Joystick	Rolls Royce
DP	Rolls Royce ICON
References	RadaScan (1) CyScan (1) MRU (3) DGPS (2) Wind Sensor (2) HiPap 501 (follow Sub.)
Radar (ARPA)	1 x 10cm. 1 x 3cm
Wind Sensors	3
Gyro	3
Electronic Charts	TECDIS

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Communication Equipment

GMDSS	Sea Area 3
SSB	1 MF/HF
Radio Terminals	4 x VHF/DSC 2 x VHF Portable 3 x UHF Fixed 4 x UHF Portable 1 x UHF ECR
GSM	2
Inmarsat Fleet 77	1
Sat C Station	2
VSat	1 (Capacity TBA)

Removable Stern Rail	15 m
Anti-heeling system	2 x 1500 m ³ /h
Moonpool	7,2 x 7,2 m

Lifesaving and Contingency Support

FRC/MOB	Waterjet/Dual engine
Lifeboats	2 x 50 persons
LSA	100 persons
Liferafts	4 x 25
Internal firefighting	Water Mist system Foam for Methanol CO ₂ (Galley)

Subsea Support Space and Equipment

On/Offline room	2 (Main deck)
Shift supervisor	1 (Main deck)
Survey Technician	2 (Main deck)
Server Room	1 (Main deck)
Offshore Manager	1 (A deck)
Conference Room	1 (D deck)
Available Space	1 (D deck)
ROV Supervisor	1 (A deck)
ROV Control Room	1 (A deck)
ROV Hangars	2 x WROV fully enclosed
ROV Hangar Doors	2 x 5 x 9m STB/PS 1 x 5 x 9m Aft
ROV Deck Strength	5t/m ²
ROV Cable Trunks	Fitted (Main deck to Monkey Island)
Transformers for Electric Power to Deck	690V- 2x1750 kVA-60Hz 440V- 350 kVA -60Hz 230V- 150 kVA-60Hz

Accommodation

Single Cabins	17
2 bunk Cabins	32 (64 bunks)
4 bunk Cabins	4 (16 bunks)
Gymnasium	1
Treatment Room	1
Dayroom/Lounges	3
Messroom/duty mess	2
Conference Room	1
Offices	5

All cabins with separate WC/Shower, fully air-conditioned.
 Local area Network CAT 7 in the entire accommodation

Deck prepared for securing of equipment without interference with tanks
 Removable Cargo Rail SB 16,3m, PS 17,8m

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#	Tank	Volume	Ballast	Pot Water	Drill Water	Fuel Oil	MUD/ Brine	Special Products	Base Oil	Dry Bulk
		100 %	1,025	1,00	1,00	0,9	2,80	1,00	0,83	2,40
101	Forepeak	130,0	133,3		130,0					
103	DB	46,9	48,1		46,9					
104	DB PS	19,2	19,7		19,2					
105	DB	135,0	138,4		135,0					
106	DB	92,6	94,9		92,6					
107	DB	162,3	166,4		162,3					
108	DB	65,6	67,2		65,6					
109	DB	65,6	67,2		65,6					
110	DB	151,6	155,4		151,6					
111	DB	64,9	66,5		64,9					
112	DB PS	53,9	55,2		53,9					
113	DB SB	30,0	30,8		30,0					
114	DB PS	32,4	33,2		32,4					
115	DB SB	34,6	35,5		34,6					
116	DB	28,3	29,0		28,3					
118	WING PS	55,0	56,4		55,0					
119	WING SB	55,0	56,4		55,0					
120	WING PS	59,1	60,6		59,1					
121	WING SB	59,1	60,6		59,1					
122	WING PS	62,6	64,2		62,6					
123	WING SB	62,6	64,2		62,6					
124	WING HEELING PS	58,1	59,6							
125	WING HEELING SB	120,7	123,7							
126	WING HEELING PS	120,7	123,7							
127	WING HEELING SB	58,1	59,6							
128	WING HEELING PS	70,5	72,3							
129	WING PS	83,2	85,3							
130	WING SB	83,2	85,3							
131	WING HEELING SB	70,5	72,3							
132	WING PS	35,3	36,2		35,3					
133	WING SB	35,3	36,2		35,3					
134	AFT PEAK TK. PS	91,2	93,5		91,2					
135	AFT PEAK TK. SB	91,2	93,5		91,2					
137	ROLL RED. TK	208,6	213,8		208,6					
138	ROLL RED. TK FWD	174,3	178,7		174,3					
139	DB SB	11,7	12,0		11,7					
201	CFW DB PS	33,1	33,9	33,1						
202	CFW DB SB	45,6	46,7	45,6						
203	CFW WING PS	164,8	168,9	164,8						
204	CFW WING SB	163,0	167,1	163,0						
205	DFW WING PS	71,4	73,2	71,4						
206	DFW WING SB	71,4	73,2	71,4						
207	WING PS	34,9	35,8	34,9						
208	WING PS	70,7	72,5	70,7						
209	WING SB	70,7	72,5	70,7						
210	WING SB	34,9	35,8	34,9						
211	WING PS	31,2	32,0	31,2						
212	WING PS	81,7	83,7	81,7						
213	WING SB	81,7	83,7	81,7						
214	WING SB	31,2	32,0	31,2						
215	WING PS	57,1	58,5	57,1						
216	WING SB	57,1	58,5	57,1						
217	FOREPEAK	95,6	98,0	95,6						
218	DB PS	9,6	9,8	9,6						
301	DFO WING PS	120,6				108,5				
302	DFO WING SB	120,6				108,5				
303	FO WING PS	151,7				136,5				
304	FO WING SB	151,7				136,5				
305	FO PS	132,5				119,3				
306	FO SB	174,9				157,4				
309	FO PS	93,7				84,3				
310	FO SB	93,7				84,3				
311	FO CENTER	85,8				77,2				
331	SETTLING SB	16,0				14,4				
332	SETTLING SB	24,2				21,8				
333	SERVICE PS	38,1				34,3				
334	SERVICE SB	38,1				34,3				
361	CENTRE	202,1				181,9			167,7	
401	MUD/BRI/FO PS	208,8				187,9	584,6			
402	MUD/BRI/FO SB	208,8				187,9	584,6			
403	MUD/BRI/FO PS	211,9				190,7	593,3			
404	MUD/BRI/FO SB	211,9				190,7	593,3			
408	BRI/MUD/WB/DW/SLOP PS	160,0	164,0		160,0		448,0			
409	BRI/MUD/WB/DW SB	142,1	145,7		142,1		397,9			
451	LFL*/FO PS	109,3				98,4		109,3		
452	LFL*/FO SB	109,3				98,4		109,3		
501	CEM PS	84,9								203,8
502	CEM SB	84,9								203,8
503	CEM PS	84,9								203,8
504	CEM SB	84,9								203,8
763	MIS SLUDGE SETTLING	9,5								
767	SEWAGE	128,1								
770	DISPERSANT	22,3								
775	MIS FOAM PS	20,7								
	Total Volum m3	7311	4287	1206	2416	2504	1144	219	202	340
	Total Weight		4394	1206	2416	2253	3202	1375	168	815
					Total Volum bbbs		7192		1271	
							Total Volum Cuft			11993

Disclaimer:

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