



MMC 879 PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	260.8 ft	79.5 m
Beam:	55.1 ft	16.8 m
Depth:	24.3 ft	7.4 m
Maximum Draft:	19.7 ft	6 m
Light Draft:	8.9 ft	2.7 m
Minimum Height:	86.6 ft	26.4 m
Freeboard:	4.6 ft	1.4 m
Displacement:	6,370 lt	6,470 mt
Deadweight:	3,820 lt	3,880 mt
Clear Deck Space:	187 x 46 ft	57 x 14 m
Clear Deck Area:	8,440 ft ²	780 m ²
Deck Strength FWD:	1,020 lb/ft ²	5 t/m ²
Deck Strength AFT:	1,430 lb/ft ²	7 t/m ²
Class Notations:	ABS: +A1, FFV-1, OSV, (E), +AMS, +ACCU, +DPS-2, UWILD, ENVIRO, SPS, OSR-C2, GP	

Capacities

Deck Cargo:	1,080 lt	1,100 t
Fuel Oil:	181,000 gal	690 m ³
Potable Water:	33,100 gal	130 m ³
Fresh Water:	118,000 gal	440 m ³
Drill/Ballast Water:	461,000 gal	1,750 m ³
Bulk Tanks (5 tanks):	8,190 ft ³	230 m ³
Liquid Mud (2.8 SG*):	8,000 bbl	1,270 m ³
*Max Structural Specific Gravity		
Methanol:	1,280 bbl	200 m ³
Oil Dispersant:	1,120 gal	4.2 m ³
Fire Fighting Foam:	1,120 gal	4.2 m ³

TIDEWATER

Find out more

tdw.com

Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
Pg.5 DP Capability Plot



Machinery

Diesel Electric Vessel			
<i>Propulsive/Total HP:</i>	6,700 / 11,900		
Z-Drives:	Yes		
Propellers (2):	2500kW Steerprop SP 35D		
Kort Nozzles:	2		
Primary Generators (2):	2,440 kw	690 v	60 hz
<i>Driven by:</i>	MAK 8M25C		
Secondary Generators (2):	1,820 kw	690 v	60 hz
<i>Driven by:</i>	CAT 3516B		
Emergency Generators (1):	400 kw	690 v	60 hz
<i>Driven by:</i>	CAT 3412		
Bow Thruster (2):	Rolls Royce TT1850 TT		
<i>Driven by:</i>	950 KW MOTOR		
Total Thrust:	34.8 st	31.6 mt	

Deck Equipment

Anchors (2):	2295 kg HHP
Anchor Chain:	250 m of 50 mm chain per side
Windlass:	RRM BFMG22050
Crane (1):	3 t @ 12 m
Capstans (2):	5 t RRM CMX2210
Tugger (2):	5.5 t RRM LAKMX22010

Accommodations

No. of Berths:	56
Cabins:	6x1-man & 25x2-man
Certified to Carry:	56
Galley seating:	16
Hospital:	Yes

Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 1010	IMO N°: 9640281
Year Built: 2013	Call Sign: YJWP3
Builder:	SAIGON OFFSHORE FABRICATI
Tonnage (ITC):	3247 GT 1257 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	25.1 m³/day (280 gph) @ 14.5 knots	
Cruising:	13.3 m³/day (150 gph) @ 10 knots	
Economical:	10 m³/day (110 gph) @ 8 knots	
Standby:	2.6 m³/day (28.6 gph) @ 0 knots	
Range @ 10 Knots:	12,300 nm	
Transfer Rates		
Fuel Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m
Fresh Water:	440 gpm @ 300 ft	100 m³/h @ 92 m
Drill/Ballast Water:	440 gpm @ 300 ft	100 m³/h @ 92 m
Bulk:	27.3 cfm @ 190 ft	46.3 m³/h @ 57 m
Liquid Mud:	330 gpm @ 300 ft	75 m³/h @ 92 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 92 m

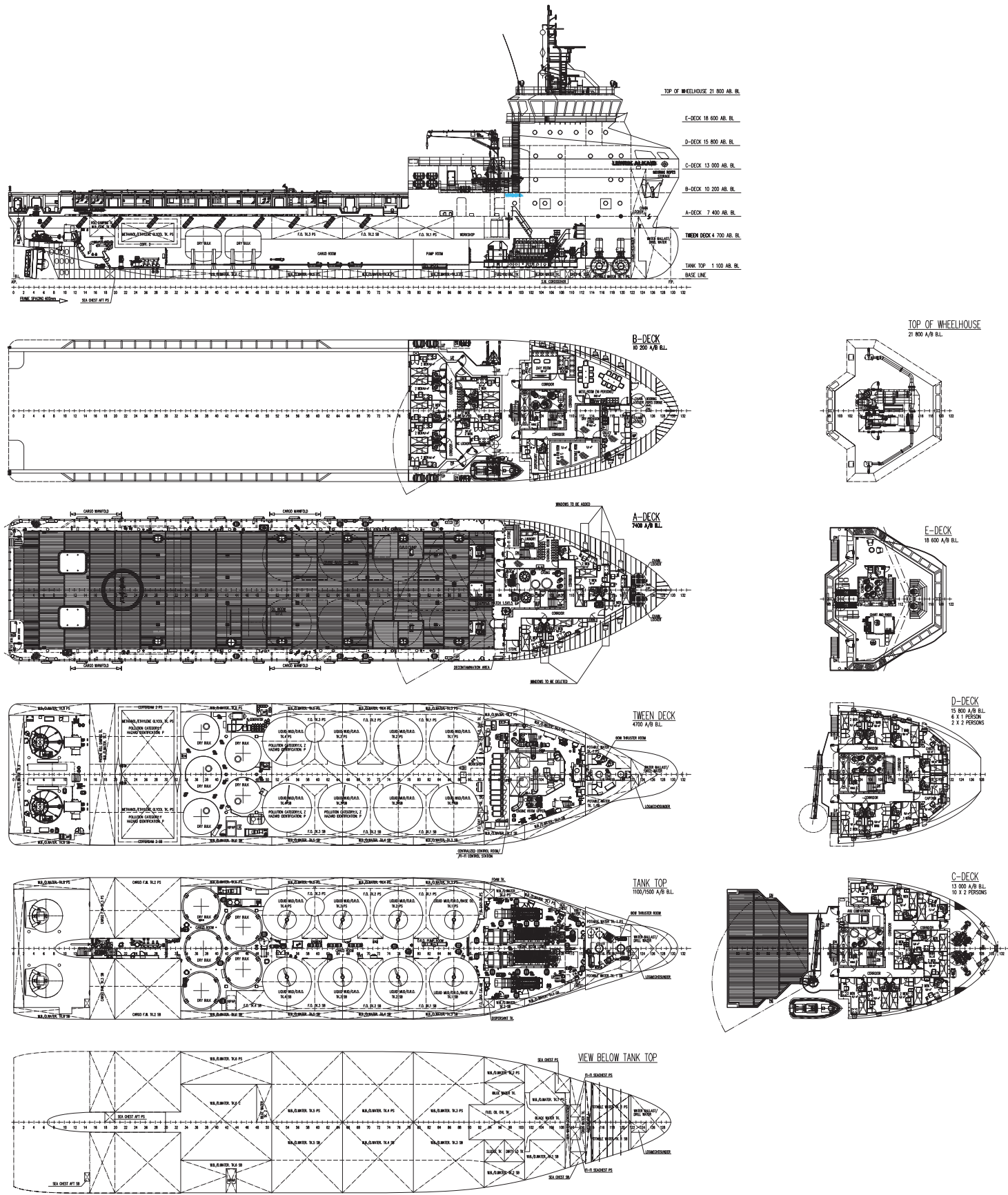
Nav/Comms Equipment

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

Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
<i>Ref. Systems:</i>	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Water Maker:	16 M3/DAY
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	15-Man FRC
Reefer Sockets:	8x 440V 40A
SPS Compliant:	Yes
Misc:	HiPAP Ready; MSD 40 persons; ORO Capacity - 1272.1 m³; BLUEDRIVE; Additional FRC David PS - No FRC

*Approximate values assuming Ideal Conditions



SHAW TIDE

Capacity Table



Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
WB Forepeak Tk	DW/WB	116.2				116.2								
WB Tk 1 PS	DW/WB	63.2				63.2								
WB Tk 1 SB	DW/WB	69.0				69.0								
WB Tk 2 PS	DW/WB	49.9				49.9								
WB Tk 2 SB	DW/WB	49.9				49.9								
WB Tk 3 PS	DW/WB	126.7				126.7								
WB Tk 3 SB	DW/WB	126.7				126.7								
WB Tk 4 PS	DW/WB	137.1				137.1								
WB Tk 4 SB	DW/WB	137.1				137.1								
WB Tk 5 PS	DW/WB	139.9				139.9								
WB Tk 5 SB	DW/WB	137.3				137.3								
WB Tk 6 PS	DW/WB	117.7				117.7								
WB Tk 6 SB	DW/WB	113.0				113.0								
WB Tk 6 C	DW/WB	106.7				106.7								
WB Tk 7 Roll Damping	DW/WB	118.5				118.5								
WB Tk 8 PS	DW/WB	41.0				41.0								
WB Tk 8 SB	DW/WB	37.8				37.8								
WB Tk 9 Afterpeak	DW/WB	58.3				58.3								
Pot Water 1 PS	Ship's FW	62.7					62.7							
Pot Water 1 SB	Ship's FW	62.7					62.7							
FW Tk 1 PS	FW	158.5						158.5						
FW Tk 1 SB	FW	158.5						158.5						
FW Tk 2 PS	FW	63.9						63.9						
FW Tk 2 SB	FW	63.9						63.9						
FO Tk 1 PS	FO	126.6		126.6										
FO Tk 1 SB	FO	83.7		83.7										
FO Tk 2 PS	FO	84.3		84.3										
FO Tk 2 SB	FO	127.8		127.8										
FO Tk 3 PS	FO	145.7		145.7										
FO Tk 3 SB	FO	84.1		84.1										
FO Tk 4 SB	FO	34.0		34.0										
FO DAY Tk PS	FO	30.0		30.0										
FO DAY Tk SB	FO	30.0		30.0										
FO OVF TK	FO	29.6		29.6										
LM/ORO/BO 1 PS	LM/ORO/BO	160.3								160.3				
LM/ORO/BO 1 SB	LM/ORO/BO	160.3								160.3				
LM/ORO 2 PS	LM/ORO	160.4								160.4				
LM/ORO 2 SB	LM/ORO	160.4								160.4				
LM/ORO 3 PS	LM/ORO	155.2								155.2				
LM/ORO 3 SB	LM/ORO	160.3								160.3				
LM/ORO 4 PS	LM/ORO	155.0								155.0				
LM/ORO 4 SB	LM/ORO	160.3								160.3				
METH PS	METH	101.6									101.6			
METH SB	METH	101.6									101.6			
Dry Bulk Tk 1 PS	Dry Bulk	46.4			46.4									
Dry Bulk Tk 1 SB	Dry Bulk	46.4			46.4									
Dry Bulk Tk 2 PS	Dry Bulk	46.4			46.4									
Dry Bulk Tk 2 SB	Dry Bulk	46.4			46.4									
Dry Bulk Tk 2 C	Dry Bulk	46.4			46.4									
FOAM TK	FOAM	4.2											4.2	
DISPERSANT TK	DISP.	4.2												4.2
LUBE OIL PS	LO	4.1										4.1		
LUBE OIL SB	LO	4.1										4.1		
Total Volume [m ³]			0.0	775.8	232.0	1,746.0	125.4	444.9	0.0	1,272.1	203.2	8.1	4.2	4.2
Spec Sheet Total Volume [m ³]			0.0	686.3	232.0	1,746.0	125.4	444.9	0.0	1,272.1	203.2	8.1	4.2	4.2

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

*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.



KONGSBERG

DP Capability Plot

Case number : 1
Case description : Optimum use of all thrusters
Thrusters active : T1-T4
Rudders active :

Table with 2 columns: Parameter and Value. Rows include Version, Input file reference, Last modified, Length overall, Length between perpendiculars, Breadth, Draught, Displacement, Longitudinal radius of inertia, Pos. of origin ahead of Lpp/2 (Xo), Wind load coefficient, Current load coefficient, Wave-drift load coefficient, Tidal current direction offset, Wave direction offset, Wave spectrum type, Wind spectrum type, Current - wave-drift interaction, Load dynamics allowance, Additional surge force, Additional sway force, Additional yawing moment, Additional force direction, Density of salt water, Density of air, Power limitations, Thrust loss calculation.

Table with 8 columns: #, Thruster, X [m], Y [m], F+ [tf], F- [tf], Max [%], Pe [kW], Rudder. Rows include 1 TUNNEL, 2 TUNNEL, 3 AZIMUTH, 4 AZIMUTH.

