YOUNGS TIDE





LEEVAC LDS 300 PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	300 ft	91.4 m				
Beam:	62 ft	18.9 m				
Depth:	24 ft	7.3 m				
Maximum Draft:	19.5 ft	6 m				
Light Draft:	8.2 ft	2.5 m				
Minimum Height:	98.2 ft	29.9 m				
Freeboard:	4.6 ft	1.4 m				
Displacement:	7,990 lt	8,120 mt				
Deadweight:	5,070 lt	5,150 mt				
Clear Deck Space:	197 x 52 ft	60 x 16 m				
Clear Deck Area:	10,600 ft ²	980 m ²				
Deck Strength AFT:	1,020 lb/ft²	5 t/m²				
Class Notations:	ABS: +A1, FFV-1, OSV, SUPPLY-HNLS, (E), +AMS, +ACCU, +DPS-2, HAB(WB), UWILD, NVIC 2-95 CHANGE 2 ACP, ENVIRO, MI C-ACCOM, GP					

Capacities

Deck Cargo:	2,590 lt	2,630 t
Fuel Oil:	256,000 gal	970 m ³
Potable Water:	61,300 gal	230 m ³
Fresh Water:	601,000 gal	2,270 m ³
Drill/Ballast Water:	64,200 gal	240 m ³
Bulk Tanks (4 tanks):	12,300 ft³	350 m ³
Liquid Mud (2.6 SG*): *Max Structural Specific Gravity	19,800 bbl	3,160 m ³
Methanol:	1,940 bbl	310 m ³

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YOUNGS TIDE Further specifications



Machinery

Diesel Electric Vessel						
Propulsive/Total HP:	6,700 / 11,300					
Z-Drives:	Yes					
Propellers (2):	SCHOTTEL SRP 4000 FP					
Kort Nozzles:	2					
Primary Generators (4):	2,100 kw	690 v	60 hz			
Driven by:	CATERPILLAR 3516C					
Emergency Generators (1):	420 kw 480 v 60					
Driven by:	CATERPILLAR C18					
Bow Thruster (2):	SCHOTTEL STT 4 FP					
Driven by:	1180KW ELECTRIC MOTOR					
Total Thrust:	39.6 st 35.9 m					

Deck Equipment

Anchors (2):	5850 lb, HHP ANCHOR
Anchor Chain:	270 m of 46 mm chain per side
Windlass:	2 x MacGregor
Crane (1):	2 t @ 15.2 m

Accommodations

No. of Berths:	52
Cabins:	12x1-man & 20x2-man
Certified to Carry:	52
Galley seating:	32
Hospital:	Yes

Registration

Flag: UNITED STATES	Home Por	rt: NEW ORLEANS, LA
Hull Number: 368		IMO N ^o : 9693537
Year Built: 2018		Call Sign: WYTD
Builder:		GULF ISLAND
Tonnage (ITC):	4298 GT	1937 NT

${\bf Performance}^*$

Fuel Consumption Vs Speed								
Maximum:	27.5 m³/day (300 gph) @ 13 knots							
Cruising:	14 m³/day (150 gph) @ 10 knots							
Economical:	9 m³/day (99.1 gph) @ 8 knots							
Standby:	1.5 m³/day (16.5 gph) @ 0 knots							
Range @ 10 Knots:	16,600 nm							
Transfer Rates								
Fuel Oil:	660 gpm @ 260 ft	150 m³/h @ 80 m						
Fresh Water:	660 gpm @ 260 ft	150 m³/h @ 80 m						
Drill/Ballast Water:	660 gpm @ 260 ft	150 m³/h @ 80 m						
Bulk:	51 cfm @ 200 ft	86.6 m³/h @ 61 m						
Liquid Mud:	1,200 gpm @ 240 ft	270 m³/h @ 73 m						
Methanol:	330 gpm @ 400 ft	75 m³/h @ 120 m						

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro 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
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Mixers:	Yes
Rescue Boat:	SOLAS APPROVED
Misc:	BLUEDRIVE PLUS C; MSD - 52 PERSONS; HiPAP Ready

*Approximate values assuming Ideal Conditions

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General Arrangement (Current configuration may vary.)





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YOUNGS TIDE Capacity Table



Tank	Contents	Volume	Base	Fuel	Dry	DW/WB	Potable	Fresh	Brine	Liquid	Methanol	Lube	Foam	Oil
		m ³	Oil	Oil	Bulk		Water	Water		Mud		Oil		Disp.
FP Ballast Tk	DW/FW	177.3				177.3								
Fresh Water 2 P	DW/FW	124.1				124.1		124.1						
Fresh Water 2 S	DW/FW	114.7				114.7		114.7						
Fresh Water 4 P	DW/FW	76.6				76.6		76.6						
Fresh Water 4 S	DW/FW	76.6				76.6		76.6						
Fresh Water 6 P	DW/FW	191.5				191.5		191.5						
Fresh Water 6 S	DW/FW	191.5				191.5		191.5						
Fresh Water 7 P	DW/FW	181.4				181.4		181.4						
Fresh Water 7 S	DW/FW	181.4				181.4		181.4						
Fresh Water 8 P	DW/FW	181.4				181.4		181.4						
Fresh Water 8 S	DW/FW	181.4				181.4		181.4						
Fresh Water 9 P	DW/FW	180.8				180.8		180.8						
Fresh Water 9 S	DW/FW	180.8				180.8		180.8						
Fresh Water 10 P	DW/FW	133.4				133.4		133.4						
Fresh Water 10 S	DW/FW	133.4				133.4		133.4						
Fresh Water 12 P	DW/FW	30.7				30.7		30.7						
Fresh Water 12 S	DW/FW	27.8				27.8		27.8						
Fresh Water 13 C	DW/FW	87.4				87.4		87.4						
AP Ballast Tk	DW/FW	65.9				65.9								
Potable Water 1 P	Ship's FW	116.0					116.0							
Potable Water 1 S	Ship's FW	116.0					116.0							
FO Tk 3 P	FO	142.9		142.9										
FO Tk 3 S	FO	142.9		142.9										
FO TK 5 P	FO	234.2		234.2										
FO Tk 5 S	FO	234.2		234.2										
EO Day Tk 15 P	FO	21 3		21.3										
EO Day Tk 15 S	FO	21.3		21.3										
FO TK 17 C	FO	64.4		64.4										
	FO	59.0		58.9										
	FO	47.4		47 1										
	FO	45.3		45 3										
Emor Gon	FO			2 3										
	IM	2.J		2.0						480 5				
		400.5								480.5				
		400.5								471 4				
		471.4								A71 A				
		471.4								A71 A				
		471.4								471.4				
		4/1.4								454.5	154.5			
		154.5								154.5	154.5			
		154.5								134.3	134.5	24		
		3.4										3.4		
	LU Des Bulls	3.4			97.0							3.4		
		87.0			07.0									
Dry Bulk 2	Dry Bulk	87.0			87.0									
Dry Bulk 3	Dry Bulk	87.0			87.0									
Dry Bulk 4	Dry Bulk	87.0			87.0									
		3-	0.0	4.044.0	242.0	0.547.0	024.0	0.074.0	0.0	0.455.0	202.4	0.0	0.0	
		ume [m [°]]	0.0	1,014.9	348.2	2,517.8	231.9	2,274.6	0.0	3,155.6	309.1	6.9	0.0	0.0
Spec	oneet l'otal Vo	ume [m°]	0.0	970.0	348.2	243.2	231.9	2,274.6	0.0	3,155.6	309.1	6.9	0.0	0.0

*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.

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YOUNGS TIDE DP Capability Plot





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