



## STX PSV 09 PLATFORM SUPPLY VESSEL

### Vessel Characteristics

Length, Overall:	288.4 ft	87.9 m
Beam:	62.3 ft	19 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.7 ft	6.6 m
Light Draft:	10.8 ft	3.3 m
Minimum Height:	89.8 ft	27.4 m
Freeboard:	4.6 ft	1.4 m
Displacement:	7,420 lt	7,540 mt
Deadweight:	4,380 lt	4,450 mt
Clear Deck Space:	205 x 52 ft	62 x 16 m
Clear Deck Area:	10,700 ft <sup>2</sup>	1000 m <sup>2</sup>
Deck Strength FWD:	1,024 lb/ft <sup>2</sup>	5 t/m <sup>2</sup>
Deck Strength AFT:	2,050 lb/ft <sup>2</sup>	10 t/m <sup>2</sup>
Class Notations:	DNV: +1A1, SF, EO, DYNPOS(AUTR), DK(+), HL(2.8), Ice(C), Fire Fighter(II), CLEAN(DESIGN), OILREC, NAUT(OSV(A)), LFL(*), COMF(C-3,V-3), NOFO 2009	

### Capacities

Deck Cargo:	2,460 lt	2,500 t
Fuel Oil:	287,000 gal	1,080 m <sup>3</sup>
Potable Water:	37,900 gal	140 m <sup>3</sup>
Fresh Water:	168,000 gal	640 m <sup>3</sup>
Drill/Ballast Water:	690,000 gal	2,610 m <sup>3</sup>
Bulk Tanks (6 tanks):	11,400 ft <sup>3</sup>	320 m <sup>3</sup>
Liquid Mud (2.8 SG*):	6,090 bbl	970 m <sup>3</sup>
*Max Structural Specific Gravity		
Methanol:	1,020 bbl	160 m <sup>3</sup>
Base Oil:	2,540 bbl	400 m <sup>3</sup>

## TIDEWATER

Find out more

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Pg.3 General Arrangement

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Pg.4 Capacity Table  
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# DEMAREST TIDE

## Further specifications



### Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	6,700 / 9,440		
Z-Drives:	Yes		
Propellers (2):	Schottel SCD 2020FP 2500KW		
Primary Generators (4):	1,670 kw	690 v	60 hz
Driven by:	MAN 8L21/31		
Emergency Generators (1):	160 kw	690 v	60 hz
Driven by:	Cummins 6CTA8.3DM		
Bow Thruster (2):	BRUNVOLL FU-74-LTC2000 TT		
Driven by:	880 kW Electric Motors		
Total Thrust:	29.4 st	26.7 mt	

### Deck Equipment

Anchors (2):	Spek Type 3540kg
Anchor Chain:	250 m of 46 mm chain per side
Windlass:	14t@12m/min
Crane (1):	5 t @ 9.8 m
Aux. Crane (1):	2 t @ 9.8 m
Capstans (2):	10 t RRM CA 100H
Tugger (2):	10 t RRM TUW 100F

### Accommodations

No. of Berths:	26
Cabins:	10x1-man, 4x2-man & 2x4-man
Certified to Carry:	26
Galley seating:	20
Hospital:	Yes

### Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 763	IMO N <sup>o</sup> : 9608740
Year Built: 2013	Call Sign: YJTK3
Builder:	VARD AUKRA
Tonnage (ITC):	3943 GT 1616 NT

### Performance\*

Fuel Consumption Vs Speed		
Maximum:	26.6 m³/day (290 gph) @ 14 knots	
Cruising:	19.9 m³/day (220 gph) @ 12 knots	
Economical:	14.9 m³/day (160 gph) @ 10 knots	
Range @ 11 Knots:	16,200 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Bulk:	31.5 cfm @ 200 ft	53.5 m³/h @ 61 m
Liquid Mud:	440 gpm @ 800 ft	100 m³/h @ 240 m
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m
Brine:	440 gpm @ 720 ft	100 m³/h @ 220 m
Methanol:	440 gpm @ 270 ft	100 m³/h @ 82 m

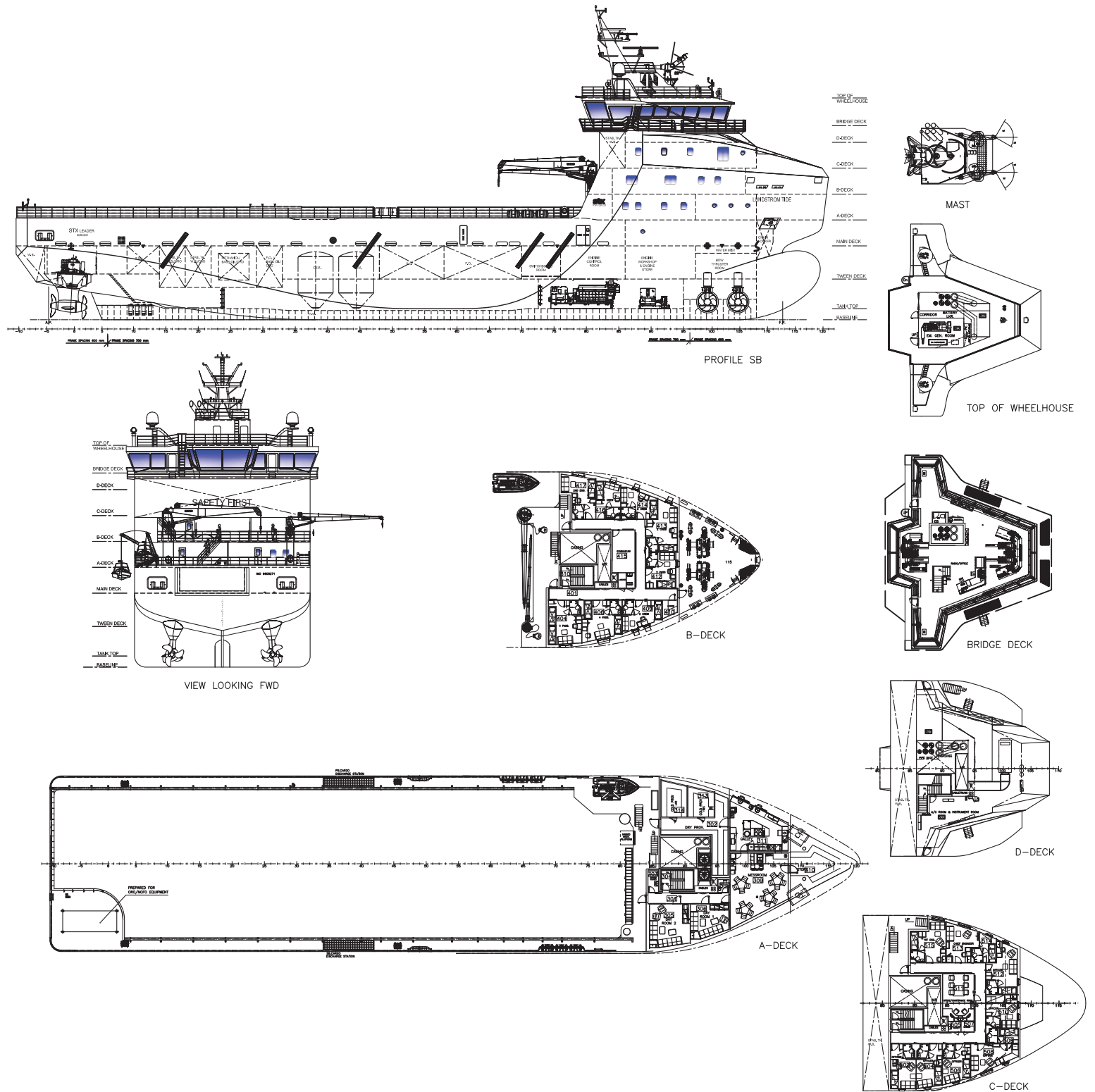
### Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	5 x VHF

### Special Equipment

Firefighting:	FIFI-2
Dynamic Positioning:	DP-2
Ref. Systems:	3 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	1x15-Man FRC
Fuel Monitoring:	GREEN PILOT
Reefer Sockets:	6x 230V 16A 3ph
Misc:	MSD; ORO Capable - 1573.9m³; NOFO Sockets: 2x440V 32A 3ph; 6x230V 16A 1ph

\*Approximate values assuming Ideal Conditions







Tank	Contents	Volume m <sup>3</sup>	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
01 WB/DW	DW/WB	110.3				110.3								
04 WB/DW	DW/WB	78.3				78.3								
06 WB/DW	DW/WB	82.0				82.0								
07 WB/DW	DW/WB	78.1				78.1								
08 WB/DW	DW/WB	60.4				60.4								
10 WB/DW	DW/WB	74.0				74.0								
11 WB/DW	DW/WB	74.0				74.0								
12 WB/DW	DW/WB	77.4				77.4								
13 WB/DW	DW/WB	77.4				77.4								
22 WB/DW	DW/WB	150.6				150.6								
23 WB/DW	DW/WB	128.9				128.9								
24 WB/DW	DW/WB	250.7				250.7								
25 WB/DW/ORO	DW/WB/ORO	232.8				232.8								
26 WB/DW/ORO	DW/WB/ORO	229.9				229.9								
79 WB/DW	DW/WB	208.5				208.5								
81 WB/DW	DW/WB	60.4				60.4								
82 WB/DW	DW/WB	119.1				119.1								
83 WB/DW	DW/WB	119.1				119.1								
84 WB/DW	DW/WB	122.0				122.0								
87 WB/DW	DW/WB	114.4				114.4								
88 WB/DW	DW/WB	81.5				81.5								
89 WB/DW	DW/WB	81.5				81.5								
02 FW	Ship's FW	71.8					71.8							
03 FW	Ship's FW	71.8					71.8							
09 FW	FW	29.2						29.2						
14 FW	FW	20.6						20.6						
15 FW	FW	20.6						20.6						
18 FW	FW	69.8						69.8						
19 FW	FW	69.8						69.8						
20 FW	FW	147.8						147.8						
21 FW	FW	147.8						147.8						
85 FW	FW	49.7						49.7						
86 FW	FW	49.7						49.7						
97 FW	FW	30.7						30.7						
42 FO	FO	262.5		262.5										
43 FO	FO	261.2		261.2										
44 FO	FO	170.0		170.0										
45 FO	FO	61.5		61.5										
46 FO/BO/ORO	FO/BO/ORO	120.8	120.8	120.8										
47 FO/BO/ORO	FO/BO/ORO	120.8	120.8	120.8										
48 FO Overflow	FO	43.6		43.6										
49 FO	FO	87.9		87.9										
50 FO Service 1	FO	18.4		18.4										
51 FO Service 2	FO	17.2		17.2										
71 FO Settling Tk	FO	16.3		16.3										
98 FO Emerg. Tk	FO	2.7		2.7										
28 LM/BR	LM/BR	130.5								130.5				
29 LM/BR	LM/BR	130.5								130.5				
30 LM/BR/ORO	LM/BR/ORO	130.5								130.5				
31 LM/BR/ORO	LM/BR/ORO	130.5								130.5				
32 LM/BR/ORO	LM/BR/ORO	130.3								130.3				
33 LM/BR/ORO	LM/BR/ORO	130.3								130.3				
34 LM/BR/ORO	LM/BR/ORO	93.1								93.1				
35 LM/BR/ORO	LM/BR/ORO	93.1								93.1				
52 METH/BO/ORO	METH/BO/ORO	80.9	80.9								80.9			
53 METH/BO/ORO	METH/BO/ORO	80.9	80.9								80.9			
61 Lube Oil Tk	LO	13.2										13.2		
77 Lube Oil Tk 2	LO	5.3										5.3		
41 Cem	Dry Bulk	53.6			53.6									
40 Cem	Dry Bulk	53.6			53.6									
39 Cem	Dry Bulk	53.6			53.6									
38 Cem	Dry Bulk	53.6			53.6									
37 Cem	Dry Bulk	53.6			53.6									
36 Cem	Dry Bulk	53.6			53.6									
Total Volume [m <sup>3</sup> ]			403.4	1,182.9	321.6	2,611.3	143.6	635.7	0.0	968.8	161.8	18.5	0.0	0.0
Spec Sheet Total Volume [m <sup>3</sup> ]			403.4	1,084.7	321.6	2,611.3	143.6	635.7	0.0	968.8	161.8	18.5	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.

# DEMAREST TIDE

## DP Capability Plot



Ship: NOD-608,PSV09 (imported)  
Run : All thrusters intact

