



Vessel Characteristics

Length, Overall:	194.3 ft	59.3 m
Beam:	49 ft	15 m
Depth:	20 ft	6.1 m
Maximum Draft:	16.4 ft	5 m
Light Draft:	10.2 ft	3.1 m
Minimum Height:	72.5 ft	22.1 m
Freeboard:	3.6 ft	1.1 m
Displacement:	2,880 lt	2,920 mt
Deadweight:	1,300 lt	1,320 mt
Clear Deck Space:	92 x 40 ft	28 x 12 m
Clear Deck Area:	3,690 ft ²	340 m ²
Deck Strength:	1,430 lb/ft ²	7 t/m ²
Class Notations: ABS: +A1, (E), OSV, FFV-1, +AMS, +DPS-1		

TIDEWATER[®]
RAFAEL TIDE

60M Subsea Support Vessel

TIDEWATER® RAFAEL TIDE

Capacities

Deck Cargo:	490 lt	500 t
Fuel Oil:	267,000 gal	1,010 m ³
Potable Water:	27,000 gal	100 m ³
Fresh Water:	41,200 gal	160 m ³
Drill/Ballast Water:	283,000 gal	1,070 m ³
Lube Oil:	3,120 gal	11.8 m ³
Oil Dispersant:	4,050 gal	15.3 m ³
Fire Fighting Foam:	4,050 gal	15.3 m ³

Machinery

Main Engines (2):	WARTSILA 8L20		
Total HP:	4,300		
Propellers (2):	WARTSILA LIPS CPP		
Kort Nozzles:	2		
Primary Generators (3):	350 kw	410 v	50 hz
Driven by:	CAT C18		
Emergency Generators (1):	80 kw	410 v	50 hz
Driven by:	CAT C4.4		
Bow Thruster (1):	KAWASAKI KT-55B3 TT		
Driven by:	390kW Electric Motor		
Total Thrust:	6.6 st	6 mt	

Deck Equip.

Anchor(s) (2):	1,575 kg
Anchor Chain:	220 m of 40 mm chain per side
Crane:	10 t @ 19.8 m
Capstans (2):	5 t MACGREGOR HVC-0540

Accommodations

Nº of Berths:	50
1-man cabins:	4
2-man cabins:	3
4-man cabins:	10
Certified to Carry:	50
Hospital:	Yes

Performance

(Approximate values assuming Ideal Conditions)		
<i>Fuel Consumption Vs Speed</i>		
Maximum:	19.2 m ³ /day (210 gph) @ 12 knots	
Cruising:	16.6 m ³ /day (180 gph) @ 10 knots	
Economical:	10.7 m ³ /day (120 gph) @ 8 knots	
Standby:	2.3 m ³ /day (25 gph) @ 0 knots	
<i>Transfer Rates</i>		
Fuel Oil:	660 gpm @ 200 ft	150 m ³ /h @ 60 m
Fresh Water:	440 gpm @ 250 ft	100 m ³ /h @ 75 m
Drill/Ballast Water:	330 gpm @ 130 ft	75 m ³ /h @ 40 m

Nav/Comms Equip.

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Doppler Log:	1
Satelite Comms:	INMARSAT-C
Radio:	2 x VHF; 1 x SSB

Special Equip.

Firefighting:	FiFi-1
Water Maker:	1 x 10T/Day
Dynamic Positioning:	DP-1 CLASSED
Ref. Systems:	2 x DGPS
Rescue Boat:	13-Person FRC

Registration

Flag:	VANUATU	
IMO Nº:	9636929	
Year Built:	2012	
Builder:	GUANGXIN SHIPBUILDING	
Call Sign:	YJTF7	
Tonnage (ITC):	1671 GT	501 NT

NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein. Fuel consumption figures are historically conservative approximations.