

NO PHOTO  
CURRENTLY AVAILABLE

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:   | 100 x 40 ft              | 31.2 x 12.1 m      |
| Clear Deck Area:  | 3,560 ft <sup>2</sup>    | 330 m <sup>2</sup> |
| Deck Strength:  | 1,430 lb/ft <sup>2</sup> | 7 t/m <sup>2</sup> |
| Class Notations:<br>ABS: +A1, (E), OSV, FFV-1, +AMS, +DPS-1 |                          |                    |

**TIDEWATER**<sup>®</sup>  
**RAFAEL TIDE**

60M Subsea Support Vessel

# TIDEWATER® RAFAEL TIDE

## Capacities

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

## 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): | 82 kw                | 410 v | 50 hz |
| Driven by:                | CAT C4.4             |       |       |
| Bow Thruster (1):         | KAWASAKI KT-55B3     |       |       |
| Driven by:                | 390KW ELECTRIC MOTOR |       |       |
| Total Thrust:             | 6.6 st               | 6 mt  |       |

## Deck Equip.

|               |                                 |  |  |
|---------------|---------------------------------|--|--|
| Anchors (2):  | 1,575 kg                        |  |  |
| Anchor Chain: | 220 m of 39.9 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:       | 5   |  |  |
| 4-man cabins:       | 9   |  |  |
| Certified to Carry: | 50  |  |  |
| Hospital:           | Yes |  |  |

## Performance

|  |   |                              |  |
|--|---|------------------------------|--|
| (Approximate values assuming Ideal Conditions) |   |                              |  |
| <i>Fuel Consumption Vs Speed</i>               |   |                              |  |
| Maximum:                                       | 19 m <sup>3</sup> /day (210 gph) @ 12 knots |                              |  |
| Cruising:                                      | 17 m <sup>3</sup> /day (180 gph) @ 10 knots |                              |  |
| Economical:                                    | 11 m <sup>3</sup> /day (120 gph) @ 8 knots  |                              |  |
| Standby:                                       | 2.3 m <sup>3</sup> /day (25 gph) @ 0 knots  |                              |  |
| <i>Transfer Rates</i>                          |   |                              |  |
| Fuel Oil:                                      | 660 gpm @ 250 ft                            | 150 m <sup>3</sup> /h @ 75 m |  |
| Fresh Water:                                   | 440 gpm @ 250 ft                            | 100 m <sup>3</sup> /h @ 75 m |  |
| Drill/Ballast Water:                           | 330 gpm @ 130 ft                            | 75 m <sup>3</sup> /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:         | 6 MAN SOLAS APPROVED |  |  |

## Registration

|                |                       |        |  |
|----------------|-----------------------|--------|--|
| Flag:          | VANUATU               |        |  |
| IMO N°:        | 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.