



50T BOLLARD PULL AZIMUTHING STERN DRIVE TUG

Vessel Characteristics

| | | |
|------------------|-----------------------------------|----------------------|
| Length, Overall: | 105 ft | 32 m |
| Beam: | 34.5 ft | 10.5 m |
| Depth: | 18 ft | 5.5 m |
| Maximum Draft: | 13.8 ft | 4.2 m |
| Minimum Height: | 69.2 ft | 21.1 m |
| Freeboard: | 4.2 ft | 1.3 m |
| Displacement: | 780 lt | 800 mt |
| Deadweight: | 340 lt | 340 mt |
| Deck Strength: | 540 lb/ft ² | 2.6 t/m ² |
| Class Notations: | ABS: A1, TOWING VESSEL, AMS, ABCU | |

Capacities

| | | |
|----------------------|------------|---------------------|
| Fuel Oil: | 68,500 gal | 260 m ³ |
| Potable Water: | 11,400 gal | 43.3 m ³ |
| Drill/Ballast Water: | 18,300 gal | 69.3 m ³ |
| Oil Dispersant: | 6,510 gal | 24.6 m ³ |
| Fire Fighting Foam: | 4,060 gal | 15.4 m ³ |

TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot



Machinery

| | | | |
|--------------------------------|-----------------------------|-------|-------|
| Main Engines (2): | Wartsila 6 R25 | | |
| <i>Total HP:</i> | 4,200 | | |
| Z-Drives: | Yes | | |
| Propellers (2): | Aquamaster ST 2001 90.6 dia | | |
| Kort Nozzles: | 2 | | |
| Primary Generators (2): | 120 kw | 410 v | 50 hz |
| <i>Driven by:</i> | CAT 3306 DIT | | |

Performance*

| | | | |
|----------------------------------|---|---------|--|
| Fuel Consumption Vs Speed | | | |
| <i>Cruising:</i> | 20 m ³ /day (220 gph) @ 12 knots | | |
| Range @ 12 Knots: | 3,750 nm | | |
| Bollard Pull | 56.8 st | 51.5 mt | |

Deck Equipment

| | | | |
|----------------------|-------------------------------|--|--|
| Anchors (2): | 1455 lbs Stockless Bower | | |
| Anchor Chain: | 150 m of 22 mm chain per side | | |
| Capstans (1): | 4 t A RIM | | |

Registration

| | | | |
|-------------------------|-----------------------------------|--------|--|
| Flag: Vanuatu | IMO N^o: 9170121 | | |
| Year Built: 1998 | Call Sign: YJRC7 | | |
| Builder: | PRESIDENT MARINE PTE LTD | | |
| Tonnage (ITC): | 411 GT | 123 NT | |

Tow/Anchor Handling

| | | | |
|--------------------------------|--------------------------------------|--|--|
| Winch: | Single Drum (100T Brake) | | |
| <i>Model:</i> | ATW-1010 | | |
| <i>Line Pull:</i> | 10 mt | | |
| <i>Tow Wire/Work Wire:</i> | 500 m of 52 mm | | |
| Misc. Towing Equipment: | Tow Hook Mampaey D(9 x 50/65), 65 mt | | |

Nav/Comms Equipment

| | | | |
|-----------------------|------------------|--|--|
| Radar(s): | 1 | | |
| Depth Sounder: | 1 | | |
| Radio: | 2 x VHF; 1 x SSB | | |

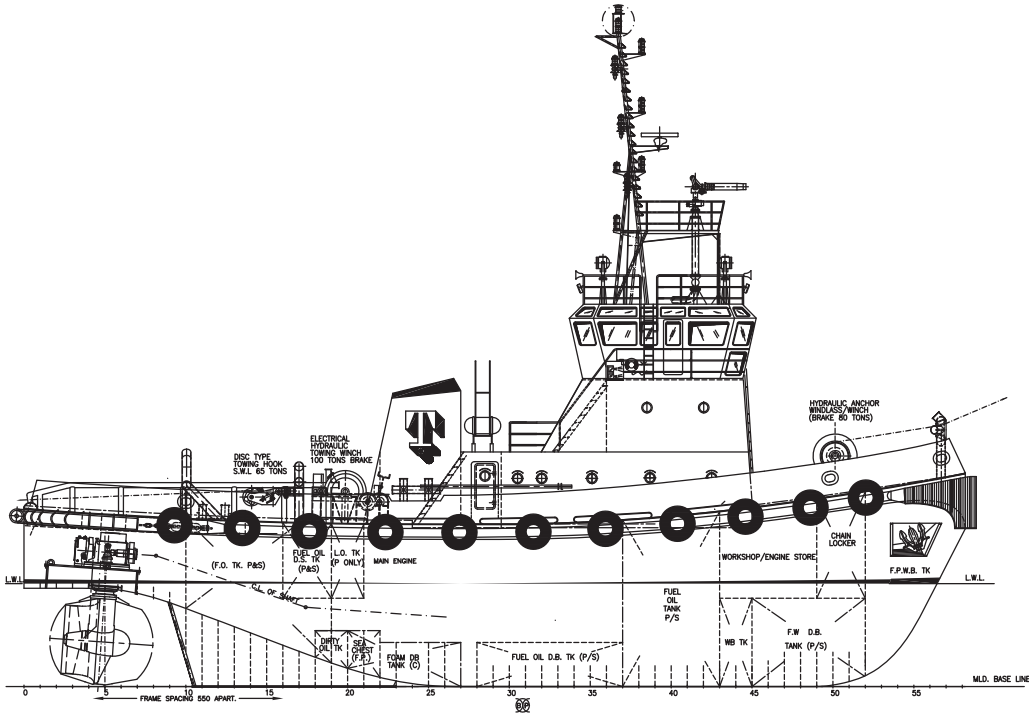
Accommodations

| | | | |
|----------------------------|----------------------------|--|--|
| No. of Berths: | 10 | | |
| Cabins: | 2x1-man, 2x2-man & 1x4-man | | |
| Certified to Carry: | 10 | | |
| Galley seating: | 8 | | |

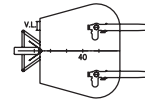
Special Equipment

| | | | |
|----------------------------------|--|--|--|
| Firefighting: | 2 x 600 m ³ /hr Fire Monitor(s) | | |
| Oil Dispersant Equipment: | 2x3.5 m Booms | | |

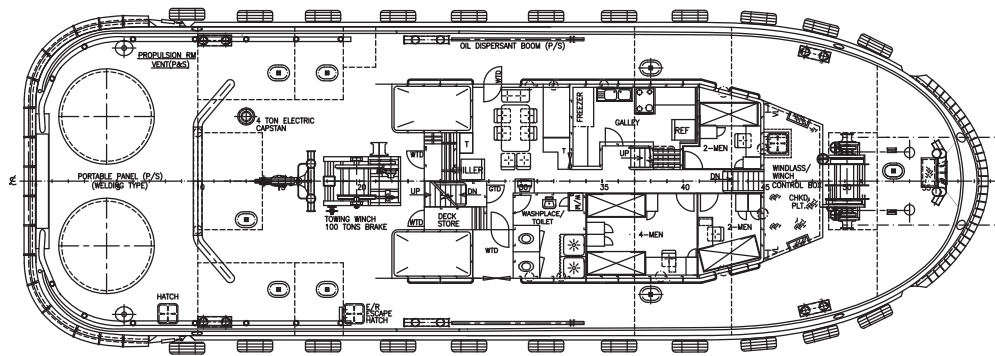
*Approximate values assuming Ideal Conditions



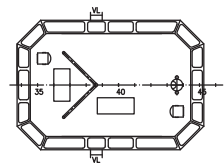
OUTBOARD PROFILE



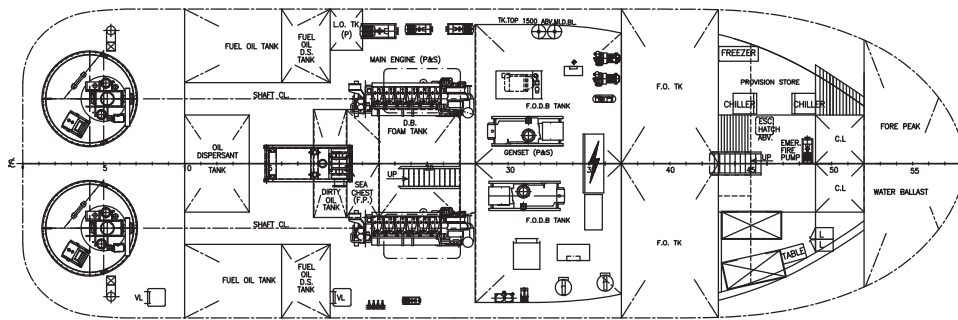
MONITORS PLATFORM



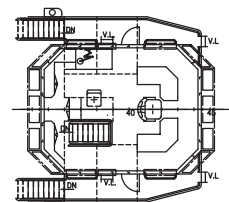
MAIN DECK PLAN



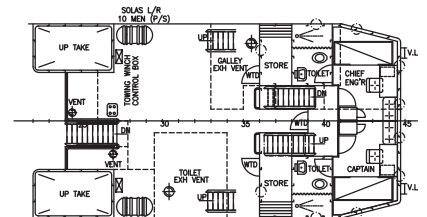
WHEELHOUSE TOP



BELOW DECK PLAN



NAV. BRIDGE DECK



BRIDGE DECK PLAN



| 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. |
|---|-----------|--------------------------|-------------|-------------|-------------|-------|------------------|----------------|-------|---------------|----------|-------------|------|--------------|
| FP WB Tank C | DW/WB | 53.5 | | | | 53.5 | | | | | | | | |
| WB Tank P | DW/WB | 9.6 | | | | 9.6 | | | | | | | | |
| WB Tank S | DW/WB | 6.2 | | | | 6.2 | | | | | | | | |
| FW DB Tk P | Ship's FW | 21.7 | | | | | 21.7 | | | | | | | |
| FW DB Tk S | Ship's FW | 21.7 | | | | | 21.7 | | | | | | | |
| No 1 FO Tk P | FO | 76.3 | | 76.3 | | | | | | | | | | |
| No 1 FO Tk S | FO | 76.3 | | 76.3 | | | | | | | | | | |
| No 2 FO DB Tk P | FO | 23.6 | | 23.6 | | | | | | | | | | |
| No 2 FO DB Tk S | FO | 23.6 | | 23.6 | | | | | | | | | | |
| No 3 FO Tk P | FO | 29.8 | | 29.8 | | | | | | | | | | |
| No 3 FO Tk S | FO | 29.8 | | 29.8 | | | | | | | | | | |
| FO Day Tk P | FO | 9.9 | | 9.9 | | | | | | | | | | |
| FO Day Tk S | FO | 9.9 | | 9.9 | | | | | | | | | | |
| Lube Oil Tk (P) | LO | 3.6 | | | | | | | | | | 3.6 | | |
| Foam Tank | Foam | 15.4 | | | | | | | | | | | 15.4 | |
| Dispersant Tk (C) | Disp. | 24.7 | | | | | | | | | | | | 24.7 |
| Total Volume [m ³] | | | 0.0 | 279.2 | 0.0 | 69.3 | 43.3 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 15.4 | 24.7 |
| Spec Sheet Total Volume [m ³] | | | 0.0 | 259.4 | 0.0 | 69.3 | 43.3 | 0.0 | 0.0 | 0.0 | 0.0 | 3.6 | 15.4 | 24.7 |

*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.