



180T BP Anchor Handling Tug

Vessel Characteristics

| | | |
|-------------------|--|---------------------|
| Length, Overall: | 246.9 ft | 75.3 m |
| Beam: | 59.1 ft | 18 m |
| Depth: | 26.6 ft | 8.1 m |
| Maximum Draft: | 21.7 ft | 6.6 m |
| Minimum Height: | 97.8 ft | 29.8 m |
| Freeboard: | 4.9 ft | 1.5 m |
| Displacement: | 5,980 lt | 6,080 mt |
| Deadweight: | 3,130 lt | 3,180 mt |
| Clear Deck Space: | 114 x 49 ft | 35 x 15 m |
| Clear Deck Area: | 5,630 ft ² | 520 m ² |
| Deck Strength: | 2,050 lb/ft ² | 10 t/m ² |
| Class Notations: | ABS: +A1, TOWING VESSEL, FFV-1, OSV AH, (E), +AMS, +ACCU, +DPS-2 | |

Capacities

| | | |
|--------------------------|-----------------------|----------------------|
| Deck Cargo: | 980 lt | 1,000 t |
| Fuel Oil: | 339,000 gal | 1,280 m ³ |
| Potable Water: | 95,000 gal | 360 m ³ |
| Fresh Water: | 62,200 gal | 240 m ³ |
| Drill/Ballast Water: | 331,000 gal | 1,250 m ³ |
| Bulk Tanks (4 tanks): | 8,830 ft ³ | 250 m ³ |
| Liquid Mud (21 lbs/gal): | 2,730 bbl | 430 m ³ |
| Base Oil: | 990 bbl | 160 m ³ |
| Brine: | 990 bbl | 160 m ³ |
| Oil Dispersant: | 3,220 gal | 12.2 m ³ |
| Fire Fighting Foam: | 6,220 gal | 23.5 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 12V32 | | |
| <i>Total HP:</i> | 16,100 | | |
| Propellers (2): | 4 BLADE CPP, 4000MM | | |
| Kort Nozzles: | 2 | | |
| Primary Generators (2): | 2,240 kw | 450 v | 60 hz |
| <i>Driven by:</i> | MAIN ENGINES | | |
| Secondary Generators (2): | 420 kw | 450 v | 60 hz |
| <i>Driven by:</i> | CAT C18 | | |
| Emergency Generators (1): | 72 kw | 450 v | 60 hz |
| <i>Driven by:</i> | CAT C4.4 | | |
| Bow Thruster (2): | KAWASAKI KT-88B3 CPP | | |
| <i>Driven by:</i> | 800KW ELECTRIC MOTOR | | |
| <i>Total Thrust:</i> | 26.8 st | 24.3 mt | |
| Stern Thruster (2): | KAWASAKI KT-72B3 | | |
| <i>Driven by:</i> | 500KW ELECTRIC MOTOR | | |
| <i>Total Thrust:</i> | 16.8 st | 15.2 mt | |

Performance*

| | | |
|----------------------------------|---|-------------------------------|
| Fuel Consumption Vs Speed | | |
| <i>Maximum:</i> | 38.2 m ³ /day (420 gph) @ 14 knots | |
| <i>Cruising:</i> | 28.2 m ³ /day (310 gph) @ 12 knots | |
| <i>Economical:</i> | 21 m ³ /day (230 gph) @ 10 knots | |
| <i>Standby:</i> | 1.5 m ³ /day (16 gph) @ 0 knots | |
| Range @ 12 Knots: | 8,700 nm | |
| Bollard Pull | 200 st | 190 mt |
| Transfer Rates | | |
| <i>Fuel Oil:</i> | 660 gpm @ 290 ft | 150 m ³ /h @ 90 m |
| <i>Fresh Water:</i> | 880 gpm @ 290 ft | 200 m ³ /h @ 90 m |
| <i>Drill/Ballast Water:</i> | 880 gpm @ 290 ft | 200 m ³ /h @ 90 m |
| <i>Bulk:</i> | 36.8 cfm @ 200 ft | 62.5 m ³ /h @ 60 m |
| <i>Liquid Mud:</i> | 330 gpm @ 590 ft | 75 m ³ /h @ 180 m |

Deck Equipment

| | |
|----------------------|-------------------------------------|
| Anchors (2): | 4713lbs AC 14 HHP |
| Anchor Chain: | 490 m of 46 mm chain per side |
| Crane: | 5 t @ 14 m |
| Capstans (2): | 9 t BRATTVAAG CMXZZ10 (16M/MIN) |
| Tugger (2): | 17 t BRATTVAAG LAKMX91017 (13M/MIN) |

Tow/Anchor Handling

| | |
|----------------------------|-----------------------------|
| Winch: | BRATTVAAG (16M/MIN) |
| <i>Model:</i> | SL350W/BSL350W (450T BRAKE) |
| <i>Line Pull:</i> | 350 mt |
| <i>Tow Wire/Work Wire:</i> | 2,500 m of 76 mm |
| Pennant Reels (2): | 1,500 m of 76 mm |
| Shark Jaw: | 2 X KARM FORK 600T |
| Tow Pins: | 2 SETS KARM, 300T |
| Chain Lockers (2): | 980 m of 76mm chain |
| Chain Handler: | 1x76MM, 1x84MM |
| Stern Roller: | 5M x 3M DIA; 500 mt SWL |

Nav/Comms Equipment

| | |
|-----------------------|------------------|
| Radar(s): | 2 |
| Depth Sounder: | 1 |
| Gyro Compass: | 3 |
| Doppler Log: | 1 |
| Radio: | 2 x VHF; 1 x SSB |
| Sat Com: | FLEET BROADBAND |

Accommodations

| | |
|----------------------------|-----------------------------|
| No. of Berths: | 30 |
| Cabins: | 14x1-man, 6x2-man & 1x4-man |
| Certified to Carry: | 30 |
| Galley seating: | 16 |
| Hospital: | Yes |

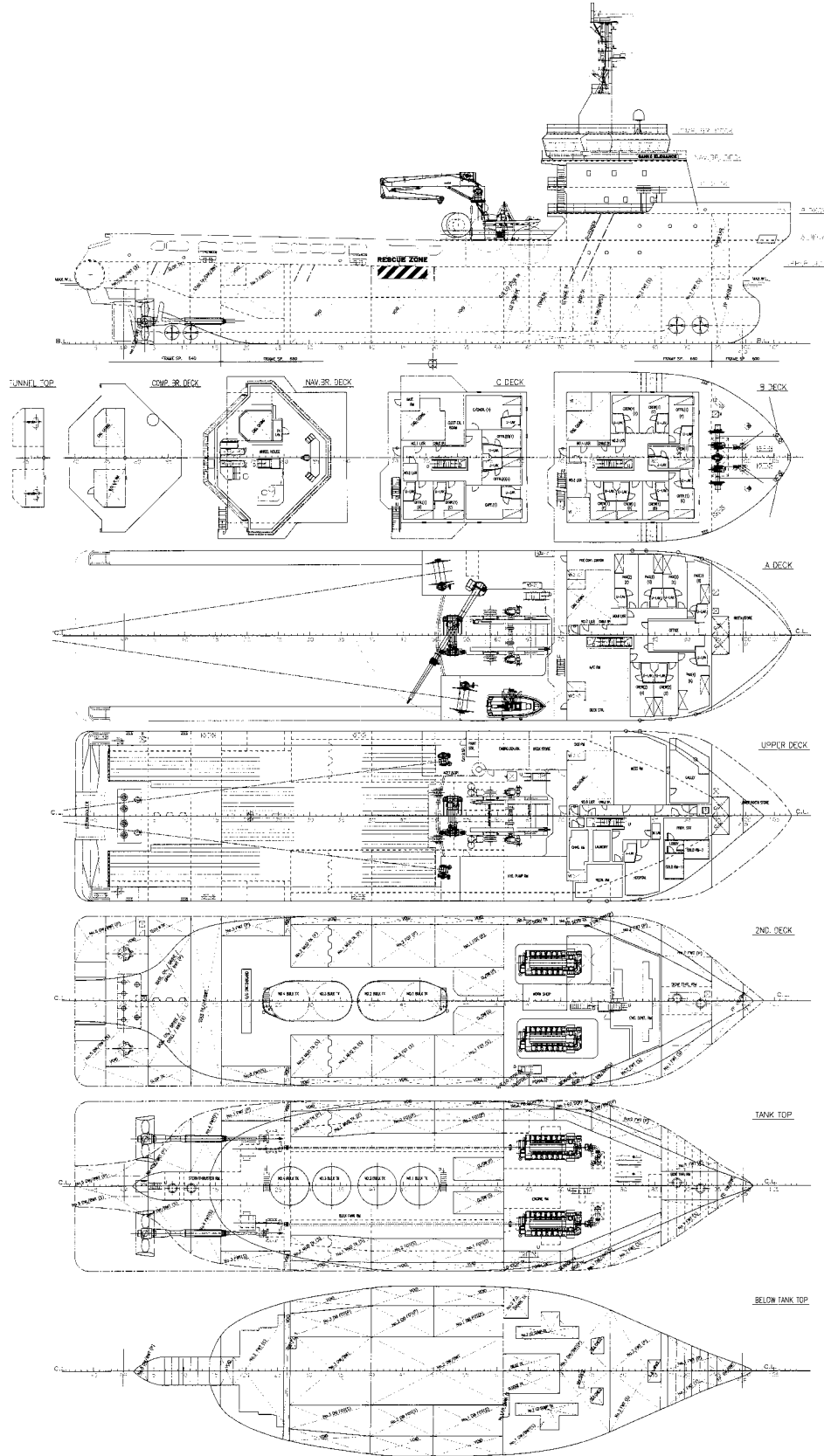
Special Equipment

| | |
|--|---|
| Firefighting: | FiFi-1 |
| Dynamic Positioning: | COVERTEAM DPS21-DUPLEX |
| Ref. Systems: | 2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based |
| Water Maker: | 10 T/DAY |
| Mud Circulation System/ Mud Mixers: | Yes/Yes |
| Tank Cleaning: | Yes |
| Rescue Boat: | 13-MAN MERLIN 615 FRC |

Registration

| | |
|-------------------------|--------------------------|
| Flag: VANUATU | IMO N°: 9545857 |
| Year Built: 2012 | Call Sign: YJTN5 |
| Builder: | JAPAN MARINE UNITED CORP |
| Call Sign: | YJTN5 |
| Tonnage (ITC): | 3260 GT / 978 NT |

*Approximate values assuming Ideal Conditions



COXON TIDE

Capacity Table



| 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 DW/WB Tk C | DW/WB | 82.2 | | | | 82.2 | | | | | | | | |
| Stab Tk C | DW/WB | 202.3 | | | | 202.3 | | | | | | | | |
| No. 1 DW/WB P | DW/WB | 80.3 | | | | 80.3 | | | | | | | | |
| No. 1 DW/WB S | DW/WB | 79.3 | | | | 79.3 | | | | | | | | |
| No. 2 DW/WB C | DW/WB | 117.9 | | | | 117.9 | | | | | | | | |
| No. 3 DW/WB C | DW/WB | 72.1 | | | | 72.1 | | | | | | | | |
| No. 4 DW/WB P | DW/WB | 41.2 | | | | 41.2 | | | | | | | | |
| No. 4 DW/WB S | DW/WB | 41.2 | | | | 41.2 | | | | | | | | |
| No. 5 DW/WB P | DW/WB | 89.2 | | | | 89.2 | | | | | | | | |
| No. 5 DW/WB S | DW/WB | 86.4 | | | | 86.4 | | | | | | | | |
| Br/BO/WB P | BR/BO/WB | 76.4 | 76.4 | | | 76.4 | | | 76.4 | | | | | |
| Br/BO/WB S | BR/BO/WB | 80.6 | 80.6 | | | 80.6 | | | 80.6 | | | | | |
| No. 1 FWT P | Ship's FW | 87.2 | | | | | 87.2 | | | | | | | |
| No. 1 FWT S | Ship's FW | 86.9 | | | | | 86.9 | | | | | | | |
| No. 2 FWT P | Ship's FW | 92.7 | | | | | 92.7 | | | | | | | |
| No. 2 FWT S | Ship's FW | 92.7 | | | | | 92.7 | | | | | | | |
| No. 3 FWT P | FW | 50.6 | | | | | | 50.6 | | | | | | |
| No. 3 FWT S | FW | 50.6 | | | | | | 50.6 | | | | | | |
| No. 3 FWT C | FW | 44.6 | | | | | | 44.6 | | | | | | |
| No. 4 FWT P | FW | 44.8 | | | | | | 44.8 | | | | | | |
| No. 4 FWT S | FW | 44.8 | | | | | | 44.8 | | | | | | |
| No. 1 FO Serv P | FO | 26.5 | | 26.5 | | | | | | | | | | |
| No. 2 FO Serv P | FO | 38.6 | | 38.6 | | | | | | | | | | |
| No. 1 FO DB Overflow P | FO | 28.7 | | 28.7 | | | | | | | | | | |
| No. 1 FO DB S | FO | 28.7 | | 28.7 | | | | | | | | | | |
| No. 2 FO DB P | FO | 25.7 | | 25.7 | | | | | | | | | | |
| No. 2 FO DB S | FO | 25.7 | | 25.7 | | | | | | | | | | |
| No. 3 FO DB P | FO | 29.0 | | 29.0 | | | | | | | | | | |
| No. 3 FO DB S | FO | 29.0 | | 29.0 | | | | | | | | | | |
| No. 1 FO P | FO | 183.2 | | 183.2 | | | | | | | | | | |
| No. 1 FO S | FO | 183.2 | | 183.2 | | | | | | | | | | |
| No. 2 FO P | FO | 171.5 | | 171.5 | | | | | | | | | | |
| No. 2 FO S | FO | 171.5 | | 171.5 | | | | | | | | | | |
| No. 4 FO Tk P | FO/LM | 115.7 | | 115.7 | | | | | | 115.7 | | | | |
| No. 4 FO Tk S | FO/LM | 115.7 | | 115.7 | | | | | | 115.7 | | | | |
| No. 5 FO Tk P | FO/LM | 101.7 | | 101.7 | | | | | | 101.7 | | | | |
| No. 5 FO Tk S | FO/LM | 101.7 | | 101.7 | | | | | | 101.7 | | | | |
| Foam Tk S | FOAM | 23.5 | | | | | | | | | | | 23.5 | |
| Dispersant Tk S | DISP | 12.2 | | | | | | | | | | | | 12.2 |
| ME LO Store Tk S | LO | 17.7 | | | | | | | | | | 17.7 | | |
| GE LO Store Tk S | LO | 1.9 | | | | | | | | | | 1.9 | | |
| LO Sump Tank P | LO | 12.3 | | | | | | | | | | 12.3 | | |
| LO Sump Tank S | LO | 13.3 | | | | | | | | | | 13.3 | | |
| Dry Bulk 1 | Dry Bulk | 62.5 | | | 62.5 | | | | | | | | | |
| Dry Bulk 2 | Dry Bulk | 62.5 | | | 62.5 | | | | | | | | | |
| Dry Bulk 3 | Dry Bulk | 62.5 | | | 62.5 | | | | | | | | | |
| Dry Bulk 4 | Dry Bulk | 62.5 | | | 62.5 | | | | | | | | | |
| Chain Locker P | CL/DW/WB | 102.0 | | | | 102.0 | | | | | | | | |
| Chain Locker S | CL/DW/WB | 102.0 | | | | 102.0 | | | | | | | | |
| Total Volume [m ³] | | | 157.0 | 1,376.1 | 250.0 | 1,253.1 | 359.5 | 235.3 | 157.0 | 434.8 | 0.0 | 45.2 | 23.5 | 12.2 |
| Spec Sheet Total Volume [m ³] | | | 157.0 | 1,282.3 | 250.0 | 1,253.1 | 359.5 | 235.3 | 157.0 | 434.8 | 0.0 | 45.2 | 23.5 | 12.2 |

- *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.

