



BOYD TIDE as shown, FOSTER TIDE similar

YUEXIN 8000HP ANCHOR HANDLING TOWING SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	229.3 ft	69.9 m
Beam:	54.5 ft	16.6 m
Depth:	23.6 ft	7.2 m
Maximum Draft:	20.7 ft	6.3 m
Minimum Height:	76.4 ft	23.3 m
Freeboard:	4.3 ft	1.3 m
Displacement:	4,740 lt	4,820 mt
Deadweight:	2,530 lt	2,570 mt
Clear Deck Space:	120 x 43 ft	37 x 13 m
Clear Deck Area:	5,080 ft ²	470 m ²
Deck Strength FWD:	1,020 lb/ft ²	5 t/m ²
Deck Strength AFT:	2,050 lb/ft ²	10 t/m ²
Class Notations:	ABS: +A1, (E), OSV, AH, Towing Vessel, FFV-1, +AMS, +DPS-2, UWILD	

Capacities

Deck Cargo:	890 lt	900 t
Fuel Oil:	187,000 gal	710 m ³
Potable Water:	148,000 gal	560 m ³
Fresh Water:	210,000 gal	800 m ³
Drill/Ballast Water:	64,200 gal	240 m ³
Bulk Tanks (4 tanks):	8,000 ft ³	230 m ³
Liquid Mud (2.5 SG*):	2,910 bbl	460 m ³
*Max Structural Specific Gravity		
Brine:	1,960 bbl	310 m ³
Oil Dispersant:	3,500 gal	13.2 m ³
Fire Fighting Foam:	2,810 gal	10.7 m ³

TIDEWATER

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Pg.2 Further Specifications

Pg.5 Capacity Table

Pg.4 General Arrangement

Pg.6 DP Capability Plot



Machinery

Main Engines (2):	G.E. 16V 228		
Total HP:	8,200		
Propellers (2):	3.4m @ Nibral CPP		
Gears (2):	Twin Disc 6.54:1 Ratio		
Kort Nozzles:	2		
Rudders (2):	High Lift Flap Type		
Primary Generators (2):	420 kw	440 v	60 hz
Driven by:	CAT C18		
Secondary Generators (2):	1,200 kw	440 v	60 hz
Driven by:	Main Engines		
Emergency Generators (1):	99 kw	440 v	60 hz
Driven by:	VOLVO D7A-T		
Bow Thruster (2):	KAWASAKI KT-55		
Driven by:	430 kW Electric Motor		
Total Thrust:	14.4 st	13.1 mt	
Stern Thruster (1):	KAWASAKI KT-55		
Driven by:	430 kW Electric Motor		
Total Thrust:	7.2 st	6.5 mt	

Performance*

Fuel Consumption Vs Speed		
<i>Maximum:</i>	27 m³/day (300 gph) @ 14 knots	
<i>Cruising:</i>	19.7 m³/day (220 gph) @ 10 knots	
<i>Economical:</i>	15.4 m³/day (170 gph) @ 8 knots	
<i>Standby:</i>	1.8 m³/day (20 gph) @ 0 knots	
Range @ 8 Knots:	7,930 nm	
Bollard Pull	120 st	110 mt
Transfer Rates		
<i>Fuel Oil:</i>	660 gpm @ 230 ft	150 m³/h @ 70 m
<i>Potable Water:</i>	660 gpm @ 230 ft	150 m³/h @ 70 m
<i>Drill/Ballast Water:</i>	660 gpm @ 230 ft	150 m³/h @ 70 m
<i>Bulk:</i>	33 cfm @ 200 ft	56 m³/h @ 60 m
<i>Liquid Mud:</i>	440 gpm @ 280 ft	100 m³/h @ 85 m
<i>Brine:</i>	350 gpm @ 290 ft	80 m³/h @ 89 m

Tow/Anchor Handling

Winch:	Oil States Waterfall
<i>Model:</i>	Model 84
<i>Line Pull:</i>	280 mt
<i>Tow/AH Wire:</i>	1,500 m / 1,500 m of 64 mm
Pennant Reels (2):	1,500 m of 64 mm
Shark Jaw:	200 T SWL
Tow Pins:	1 SET-200 T SWL
Chain Lockers (2):	1,530 m of 76mm chain
Chain Handler:	YES
Stern Roller:	20FT X 6.5FT; 300 mt SWL

Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Seed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF; 1 x SSB
Sat Com:	IRIDIUM & SAT C

Accommodations

No. of Berths:	40
Cabins:	4x1-man, 4x2-man & 7x4-man
Certified to Carry:	40
Galley seating:	30
Hospital:	Yes

Deck Equipment

Anchors (2):	STOCKLESS 4500LBS EACH
Anchor Chain:	270 m of 38 mm chain per side
Windlass:	Plimsoll
Crane (1):	5 t @ 12.2 m
Capstans (2):	5 t ELECTRO-HYDRAULIC
Tugger (2):	10 t ELECTRO-HYDRAULIC

*Approximate values assuming Ideal Conditions



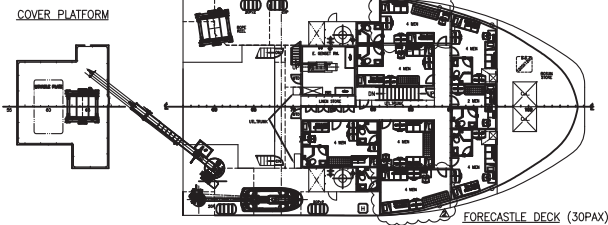
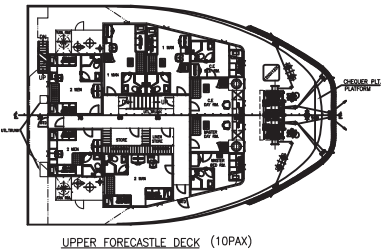
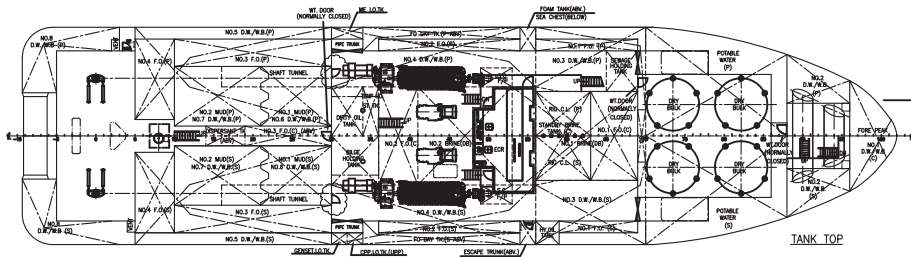
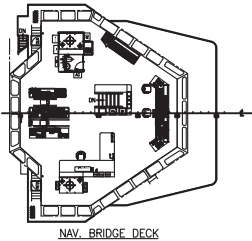
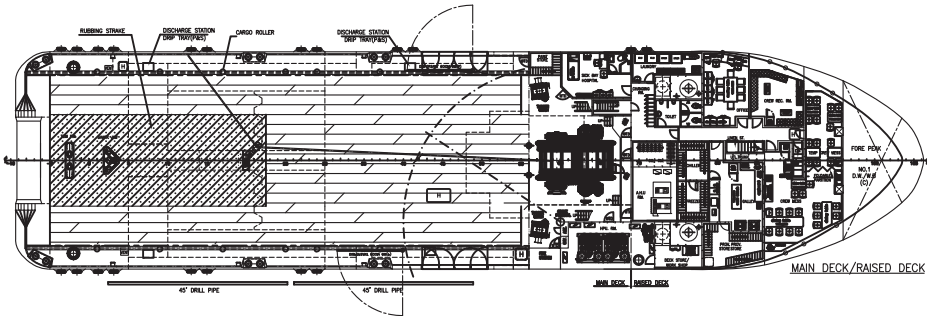
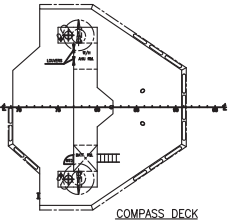
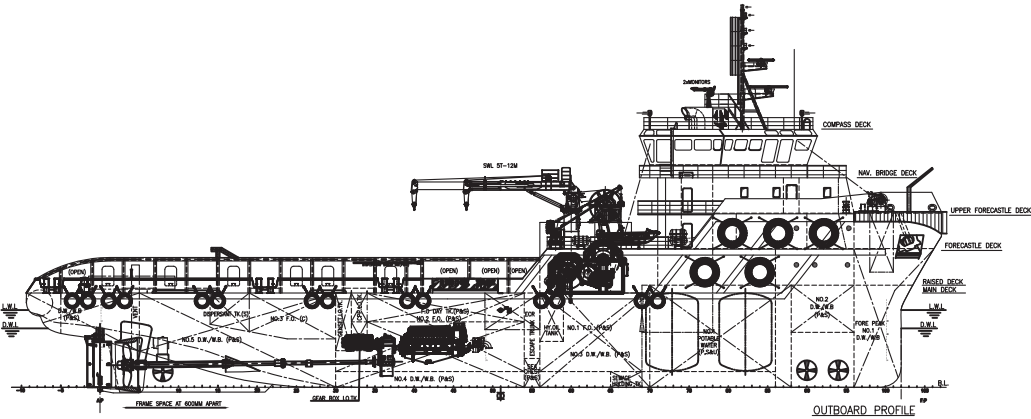
Registration

Flag: VANUATU	Home Port: PORT VILA	
Hull Number: 3136	IMO N ^o : 9631591	
Year Built: 2012	Call Sign: YJSF6	
Builder:	YUEXIN SHIPBUILDING	
Tonnage (ITC):	2605 GT	781 NT

Special Equipment

Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based
Water Maker:	1 X 12T/DAY
Mud Circulation System/ Mud Mixers:	Yes/Yes
Rescue Zone:	Yes
Rescue Boat:	6-man SOLAS Approved
Gas Detection:	YES
Reefer Sockets:	2x 440V; 2x 240V
Misc:	MSD - 40 PERSONS/DAY

*Approximate values assuming Ideal Conditions



FOSTER 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.
Forepeak Tk	DW/WB	173.5				173.5								
DW/WB 2 P	DW/WB	47.0				47.0		47.0						
DW/WB 2 S	DW/WB	47.0				47.0		47.0						
DW/WB 3 P	DW/WB	82.3				82.3		82.3						
DW/WB 3 S	DW/WB	85.2				85.2		85.2						
DW/WB 4 P	DW/WB	114.8				114.8		114.8						
DW/WB 4 S	DW/WB	114.8				114.8		114.8						
DW/WB 5 P	DW/WB	152.4				152.4		152.4						
DW/WB 5 S	DW/WB	152.4				152.4		152.4						
DW/WB 6 P	LM/DW/WB	106.7				106.7				106.7				
DW/WB 6 S	LM/DW/WB	106.7				106.7				106.7				
DW/WB 7 P	LM/DW/WB	124.5				124.5				124.5				
DW/WB 7 S	LM/DW/WB	124.5				124.5				124.5				
DW/WB AP Tk 8 P	DW/WB	32.4				32.4								
DW/WB AP Tk 8 S	DW/WB	37.0				37.0								
Potable Water Tk P	Ship's FW	278.3					278.3							
Potable Water Tk S	Ship's FW	281.3					281.3							
FO 1 P	FO	41.6		41.6										
FO 1 S	FO	35.7		35.7										
FO 1 C	FO	145.2		145.2										
FO 2 P	FO	61.6		61.6										
FO 2 S	FO	61.6		61.6										
FO 2 C	FO	25.4		25.4										
FO 3 P	FO	104.5		104.5										
FO 3 S	FO	104.5		104.5										
FO 3 C	FO	35.3		35.3										
FO 4 P	FO	47.1		47.1										
FO 4 S	FO	47.1		47.1										
FO DAY P	FO	25.9		25.9										
FO DAY S	FO	25.9		25.9										
BRINE 1	BR	78.7							78.7					
BRINE 2	BR	64.1							64.1					
Rig Chain Locker P	BR/CL	84.7							84.7					
Rig Chain Locker S	BR/CL	84.7							84.7					
DISP. TK	DISP	13.3												13.3
FOAM P	FOAM	10.7											10.7	
ME LO Tk (P)	LO	9.4										9.4		
Gen Set LO Tk	LO	4.7										4.7		
Temp. LO Tk	LO	4.7										4.7		
CPP LO Tank	LO	2.3										2.3		
Gear Box LO Tk	LO	2.3										2.3		
Dry Bulk 1	Dry Bulk	56.6			56.6									
Dry Bulk 2	Dry Bulk	56.6			56.6									
Dry Bulk 3	Dry Bulk	56.6			56.6									
Dry Bulk 4	Dry Bulk	56.6			56.6									
Total Volume [m ³]			0.0	761.5	226.4	1,501.0	559.5	795.7	312.2	462.3	0.0	23.4	10.7	13.3
Spec Sheet Total Volume [m ³]			0.0	709.8	226.4	242.9	559.5	795.7	312.2	462.3	0.0	23.4	10.7	13.3

*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.



DP Capability Plot

YUEXIN HULL YX3133

Case number : 5
Case description : All thrusters and rudders are running
Thrusters active : T1-T5
Rudders active : R1-R2

Input file reference : Foot3484_12_new_cases.scp
Last modified : 2010-08-31 09.36 (v. 2.7.2)

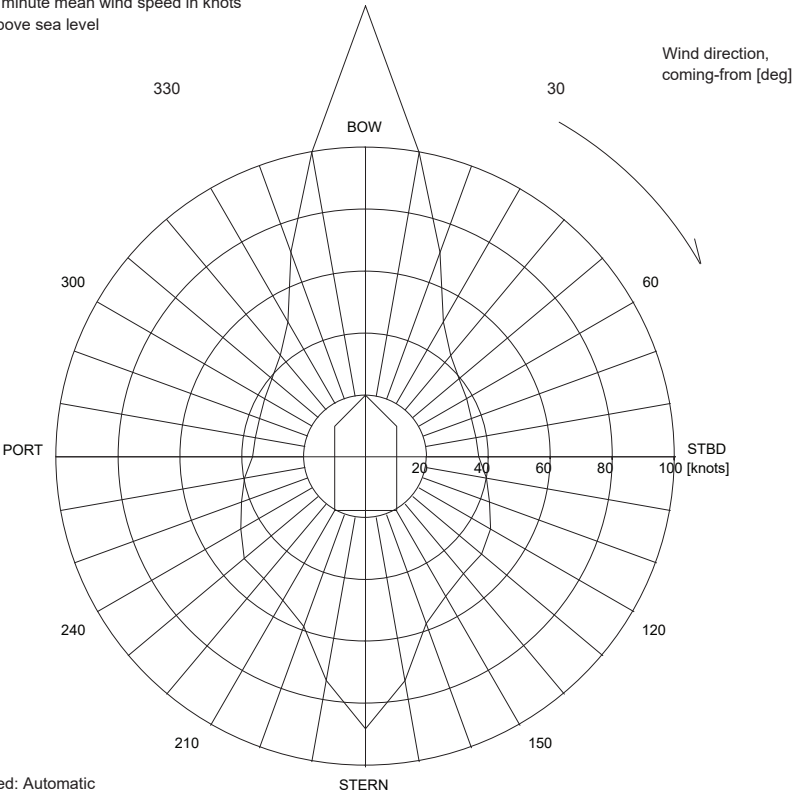
Length overall : 69.9 m
Length between perpendiculars : 61.2 m
Breadth : 16.6 m
Draught : 4.5 m
Displacement : 3400.0 t (Cb = 0.72)
Longitudinal radius of inertia : 15.3 m (= 0.25 * Lpp)
Pos. of origin ahead of Lpp/2 (Xo) : 0.0 m
Wind load coefficients : Calculated (Blendermann)
Current load coefficients : Calculated (Strip-theory)
Wave-drift load coefficients : Database (Scaled by Breadth/Length)

Tidal current direction offset : 0.0 deg
Wave direction offset : 0.0 deg
Wave spectrum type : JONSWAP (gamma = 3.30)
Wind spectrum type : NPD
Current - wave-drift interaction : OFF
Load dynamics allowance : 1.0 * STD of thrust demand
Additional surge force : 0.0 tf
Additional sway force : 0.0 tf
Additional yawing moment : 0.0 tf.m
Additional force direction : Fixed
Density of salt water : 1026.0 kg/m³
Density of air : 1.226 kg/m³ (15 °C)

Power limitations : OFF
Thrust loss calculation : ON

# Thruster	X [m]	Y [m]	F+ [tf]	F- [tf]	Max [%]	Pe [kW]	Rudder
1 TUNNEL	25.8	0.0	8.2	-8.2		100 550	
2 TUNNEL	23.4	0.0	8.2	-8.2		100 550	
3 TUNNEL	-25.8	0.0	8.2	-8.2		100 550	
4 PROP_AS	-30.6	-4.4	53.0	-37.1		100 3000 BECKER	
5 PROP_AS	-30.6	4.4	53.0	-37.1		100 3000 BECKER	

VARIABLE WIND AND WAVES
Limiting 1 minute mean wind speed in knots
at 10 m above sea level



Wind speed: Automatic
Significant wave height: DNV (ERN)
Mean zero up-crossing period: DNV (ERN)

Rotating tidal current: 1.50 knots
Rotating wind induced current: 0.000*Uwi knots