



WILGAMOTTE TIDE as shown, DOENICKE TIDE similar

75M FUJIAN SE PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	246.1 ft	75 m
Beam:	56.8 ft	17.3 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.3 ft	6.5 m
Light Draft:	11.8 ft	3.6 m
Minimum Height:	91.8 ft	28 m
Freeboard:	4.9 ft	1.5 m
Displacement:	5,510 lt	5,600 mt
Deadweight:	3,030 lt	3,080 mt
Clear Deck Space:	151 x 47 ft	46 x 14 m
Clear Deck Area:	6,840 ft ²	640 m ²
Deck Strength AFT:	1,130 lb/ft ²	5.5 t/m ²
Class Notations:	ABS: +A1, FIFI-1, OSR-C1, OSV, Supply-HNLS, (E), +AMS, +ACCU, +DPS-2, HAB(WB), UWILD, SPS, RW	

Capacities

Deck Cargo:	1,180 lt	1,200 t
Fuel Oil:	178,000 gal	670 m ³
Potable Water:	31,500 gal	120 m ³
Fresh Water:	99,200 gal	380 m ³
Drill/Ballast Water:	429,000 gal	1,620 m ³
Bulk Tanks (4 tanks):	8,040 ft ³	230 m ³
Liquid Mud (2.5 SG*):	4,650 bbl	740 m ³
*Max Structural Specific Gravity		
Base Oil:	920 bbl	150 m ³
Oil Dispersant:	3,350 gal	12.7 m ³
Fire Fighting Foam:	3,350 gal	12.7 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):	NIIGATA 8L28HX		
<i>Total HP:</i>	5,920		
Z-Drives:	Yes		
Propellers (2):	NIIGATA ZP-41, FIXED		
Primary Generators (3):	450 kw	410 v	50 hz
<i>Driven by:</i>	CAT C18		
Secondary Generators (2):	1000 kw	410 v	50 hz
<i>Driven by:</i>	MAIN ENGINE		
Emergency Generators (1):	80 kw	410 v	50 hz
<i>Driven by:</i>	CAT C4.4		
Bow Thruster (2):	KAWASAKI KT-105B1 CPP		
<i>Driven by:</i>	600 KW ELECTRIC MOTOR		
<i>Total Thrust:</i>	20.1 st	18.2 mt	

Deck Equipment

Anchors (2):	4431 lbs HHP
Anchor Chain:	470 m of 46 mm chain per side
Windlass:	PLIMSOLL 13T@18M/MIN
Crane (1):	3 t @ 10 m
Capstans (2):	10 t MACGREGOR
Tugger (2):	10 t MACGREGOR

Accommodations

No. of Berths:	50
Cabins:	6x1-man & 22x2-man
Certified to Carry:	50
Galley seating:	23
Hospital:	Yes

Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 1	IMO N°: 9680798
Year Built: 2014	Call Sign: YJTP7
Builder:	FUJIAN SOUTHEAST SHIPYARD
Tonnage (ITC):	2946 GT 1026 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	22.7 m³/day (250 gph) @ 13 knots	
Cruising:	18.2 m³/day (200 gph) @ 10 knots	
Economical:	13.6 m³/day (150 gph) @ 8 knots	
Range @ 8 Knots:	8,750 nm	
Transfer Rates		
Fuel Oil:	660 gpm @ 260 ft	150 m³/h @ 80 m
Fresh Water:	660 gpm @ 260 ft	150 m³/h @ 80 m
Drill/Ballast Water:	660 gpm @ 260 ft	150 m³/h @ 80 m
Bulk:	33.5 cfm @ 190 ft	56.9 m³/h @ 57 m
Liquid Mud:	330 gpm @ 300 ft	75 m³/h @ 90 m
Base Oil:	150 gpm @ 260 ft	35 m³/h @ 80 m

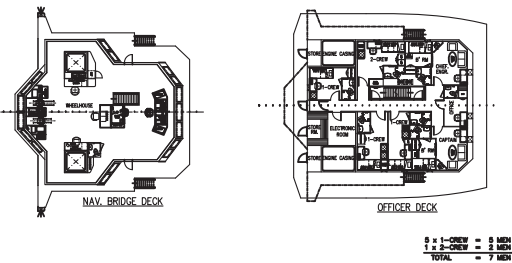
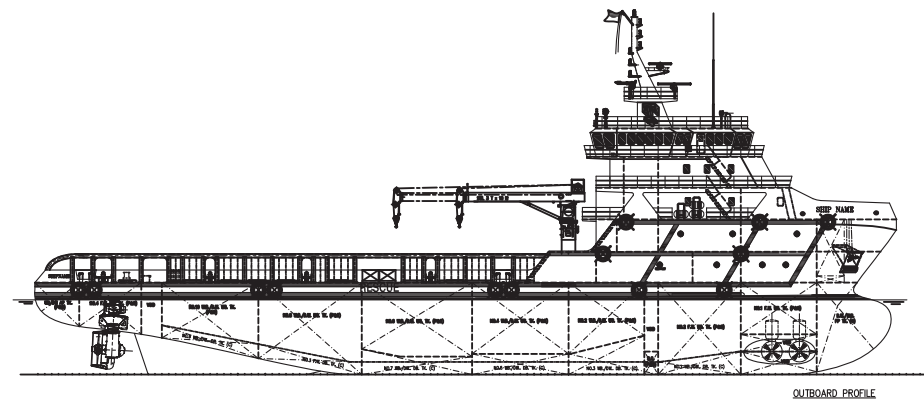
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF
Sat Com:	INMARSAT-C

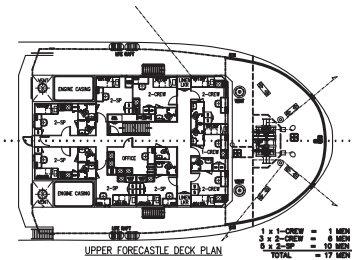
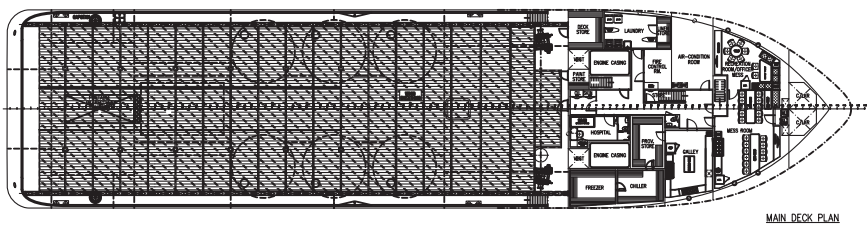
Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Water Maker:	2 X 10 T/DAY
Mud Circulation System/ Mud Mixers:	Yes/Yes
Rescue Zone:	Yes
Rescue Boat:	6 MAN SOLAS
Reefer Sockets:	4x 415V 32A; 2x 415V 63A; 2x 220V 32A
SPS Compliant:	Yes
Misc:	MSD - 50 PERSONS; ORO Capable - 739.4m³

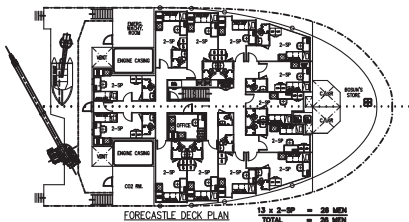
*Approximate values assuming Ideal Conditions



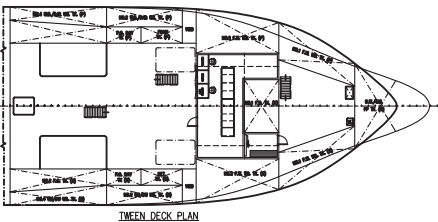
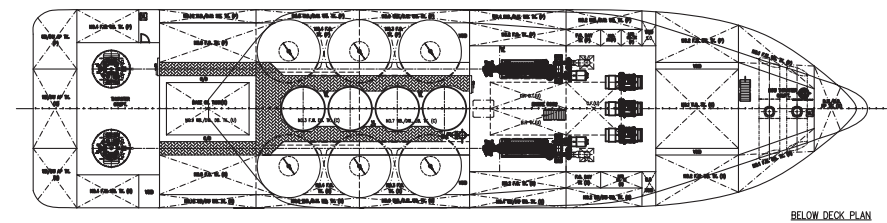
8 x 1-CREW = 8 MEN
1 x 2-CREW = 2 MEN
0.5 x 2-CREW = 1 MAN
TOTAL = 7 MEN



1 x 1-CREW = 1 MEN
3 x 2-CREW = 6 MEN
0.5 x 2-CREW = 1 MAN
TOTAL = 7 MEN



12 x 2-CREW = 24 MEN
TOTAL = 24 MEN





Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	ORO	Lube Oil	Foam	Oil Disp.
FP DW/WB Tk C	DW/WB	93.3				93.3								
NO.1 DB DW/BW C	DW/WB	83.5				83.5								
NO.2 DW/BW P	DW/WB	62.9				62.9								
NO.2 DW/BW S	DW/WB	62.9				62.9								
NO.3 DB DW/BW C	DW/WB	124.1				124.1								
NO.4 DW/BW P	DW/WB	72.8				72.8								
NO.4 DW/BW S	DW/WB	72.8				72.8								
NO.5 DB DW/BW C	DW/WB	135.3				135.3								
NO.6 DW/BW P	DW/WB	65.9				65.9								
NO.6 DW/BW S	DW/WB	65.9				65.9								
NO.7 DB DW/BW C	DW/WB	176.2				176.2								
NO.8 DW/BW P	DW/WB	113.1				113.1								
NO.8 DW/BW S	DW/WB	113.1				113.1								
NO.9 DB DW/BW C	DW/WB	73.8				73.8								
NO.10 DW/BW P	DW/WB	73.6				73.6								
NO.10 DW/BW S	DW/WB	73.6				73.6								
AP DW/WB Tk C	DW/WB	80.0				80.0								
AP DW/WB Tk P	DW/WB	41.1				41.1								
AP DW/WB Tk S	DW/WB	41.1				41.1								
No. 1 FW Tk P	Ship's FW	59.7					59.7							
No. 1 FW Tk S	Ship's FW	59.7					59.7							
No. 2 FW Tk P	FW	106.9						106.9						
No. 2 FW Tk S	FW	106.9						106.9						
No. 3 DB FW Tk C	FW	69.8						69.8						
No. 4 FW Tk P	FW	46.0						46.0						
No. 4 FW Tk S	FW	46.0						46.0						
NO.1 FO Tk C	FO	148.8		148.8										
NO.2 FO Tk P	FO	59.2		59.2										
NO.2 FO Tk S	FO	59.2		59.2										
NO.3 FO Tk P	FO	36.9		36.9										
NO.3 FO Tk S	FO	36.9		36.9										
NO.4 FO Tk P	FO	29.2		29.2										
NO.4 FO Tk S	FO	29.2		29.2										
NO.5 FO Tk P	FO	112.5		112.5										
NO.5 FO Tk S	FO	107.7		107.7										
FO Day Tank P	FO	33.2		33.2										
FO Day Tank S	FO	33.2		33.2										
FO Settling Tk P	FO	27.6		27.6										
FO Settling Tk S	FO	27.6		27.6										
FO Overflow Tk C	FO	23.3		23.3										
Base Oil Tank C	BO	146.6	146.6											
Lube Oil Tk P	LO	5.1										5.1		
Lube Oil Tk S	LO	11.4										11.4		
No. 1 LM Tk P	LM/BR/ORO	142.4								142.4	142.4			
No. 1 LM Tk S	LM/BR/ORO	142.4								142.4	142.4			
No. 2 LM Tk P	LM/BR/ORO	127.6								127.6	127.6			
No. 2 LM Tk S	LM/BR/ORO	127.6								127.6	127.6			
No. 3 LM Tk P	LM/BR/ORO	99.7								99.7	99.7			
No. 3 LM Tk S	LM/BR/ORO	99.7								99.7	99.7			
NO.1 Dry Bulk	Dry Bulk	59.4			59.4									
NO.2 Dry Bulk	Dry Bulk	59.4			59.4									
NO.3 Dry Bulk	Dry Bulk	59.4			59.4									
NO.4 Dry Bulk	Dry Bulk	49.5			49.5									
Foam Tk	Foam	12.7											12.7	
Detergent	Disp.	12.7												12.7
Total Volume [m ³]			146.6	764.5	227.7	1,625.0	119.4	375.6	0.0	739.4	739.4	16.5	12.7	12.7
Spec Sheet Total Volume [m ³]			146.6	674.8	227.7	1,625.0	119.4	375.6	0.0	739.4	739.4	16.5	12.7	12.7

*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.



KONGSBERG

DP Capability Plot
TDW-1

Case number : 1
Case description : Optimum use of all thruster
Thrusters active : T1-T4
Rudders active :

Table with 2 columns: Parameter and Value. Includes ship specifications (Length overall, Displacement, etc.), load coefficients, and power/thrust limitations.

Table with 9 columns: #, Thruster, X [m], Y [m], F+ [tf], F- [tf], Max [%], Pe [kW], Rudder. Lists 4 thrusters (2 TUNNEL, 2 AZIMUTH) with their respective coordinates and capacities.

