WALGAMOTTE TIDE

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:	20.3 ft	6.2 m
Light Draft:	11.8 ft	3.6 m
Minimum Height:	91.8 ft	28 m
Freeboard:	5.9 ft	1.8 m
Displacement:	5,180 lt	5,260 mt
Deadweight:	2,690 lt	2,730 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, (E), OSV, +AMS, +DPS-2, FFV-1, ACCU, OSR-C1, UWILD, HAB(WB), RW, SPS, SUPPLY-HNLS	

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*): *Max Structural Specific Gravity	4,650 bbl	740 m^3
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

Find out more **tdw.com**

LAST UPDATE: 11/20/2023

WALGAMOTTE TIDE

Further specifications

Machinery

Main Engines (2):			NIIGATA 8L28HX
Total HP:			5,920
Z-Drives:			Yes
Propellers (2):			NIIGATA ZP-41, FIXED
Primary Generators (3):	450 kw	410 v	50 hz
Driven by:			CAT C18
Secondary Generators (2):	1000 kw	410 v	50 hz
Driven by:			MAIN ENGINE
Emergency Generators (1):	80 kw	410 v	50 hz
Driven by:			CAT C4.4
Bow Thruster (2):			KAWASAKI KT-105B1 CPP
Driven by:			600 KW ELECTRIC MOTOR
Total Thrust:		20.1 st	18.2 mt

Performance*

Fuel Consumption Vs Speed		
Maximum:	22.7 m^3/day (250 gph) @ 13 knots	
Cruising:	18.2 m^3/day (200 gph) @ 10 knots	
Economical:	13.6 m^3/day (150 gph) @ 8 knots	
Range @ 8 Knots:	8,750 nm	
Transfer Rates		
Fuel Oil:	660 gpm @ 260 ft	150 m^3/h @ 80 m
Fresh Water:	660 gpm @ 260 ft	150 m^3/h @ 80 m
Drill/Ballast Water:	660 gpm @ 260 ft	150 m^3/h @ 80 m
Bulk:	33.5 cfm @ 190 ft	56.9 m^3/h @ 57 m
Liquid Mud:	330 gpm @ 300 ft	75 m^3/h @ 90 m
Base Oil:	150 gpm @ 270 ft	35 m^3/h @ 82 m

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

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

Accommodations

No. of Berths:	49
Cabins:	7x1-man & 21x2-man
Certified to Carry:	49
Galley seating:	23
Hospital:	Yes

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:	15-MAN FRC
Reefer Sockets:	2x 415V 63A; 4x 415V 32A; 2x 220V 32A
SPS Compliant:	Yes
Misc:	MSD - 50 PERSONS; ORO Capable - 739.4m3

Registration

Flag: VANUATU		**Home Port:** PORT VILA
Hull Number: 2		**IMO N°:** 9680803
Year Built: 2014		**Call Sign:** YJTS7
Builder:		FUJIAN SOUTHEAST SHIPYARD
Tonnage (ITC):	2946 GT	1026 NT

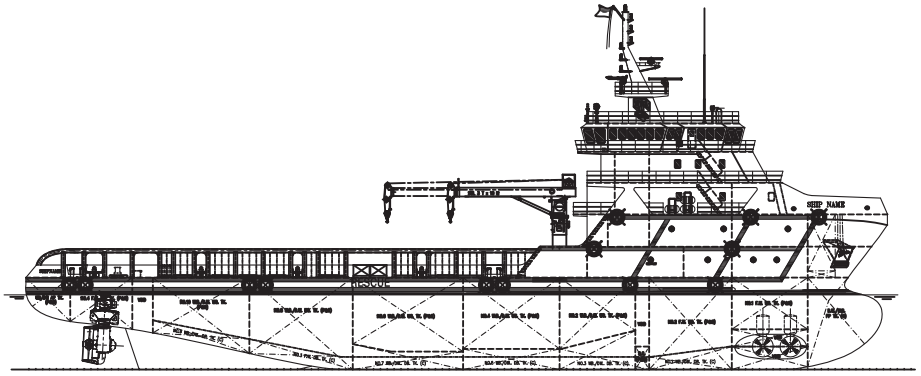
*Approximate values assuming Ideal Conditions

tdw.com

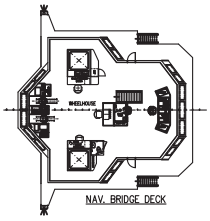
LAST UPDATE: 11/20/2023

WALGAMOTTE TIDE

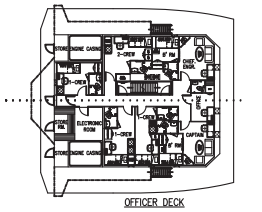
General Arrangement (Current configuration may vary.)



OUTBOARD PROFILE

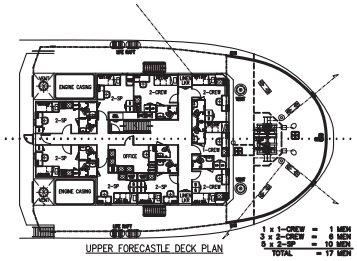


NAV. BRIDGE DECK



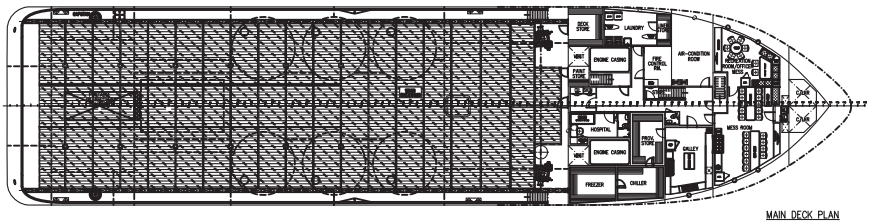
OFFICER DECK

6 x 1–CREW	= 6 MEN
1 x 2–CREW	= 2 MEN
TOTAL	= 7 MEN

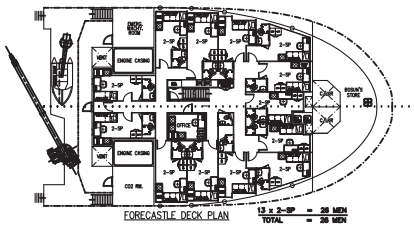


UPPER FORECASTLE DECK PLAN

1 x 1–CREW	= 1 MEN
3 x 2–CREW	= 6 MEN
2 x 2–OP	= 10 MEN
TOTAL	= 17 MEN

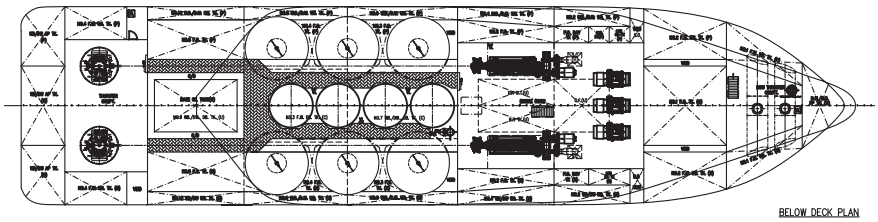


MAIN DECK PLAN

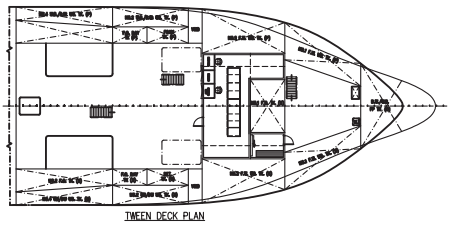


FORECASTLE DECK PLAN

13 x 2–OP	= 26 MEN
TOTAL	= 26 MEN



BELOW DECK PLAN



TWEEN DECK PLAN

LAST UPDATE: 11/20/2023

WALGAMOTTE TIDE

Capacity Table

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.**

LAST UPDATE: 11/20/2023

WALGAMOTTE TIDE

DP Capability Plot

KONGSBERG

DP Capability Plot

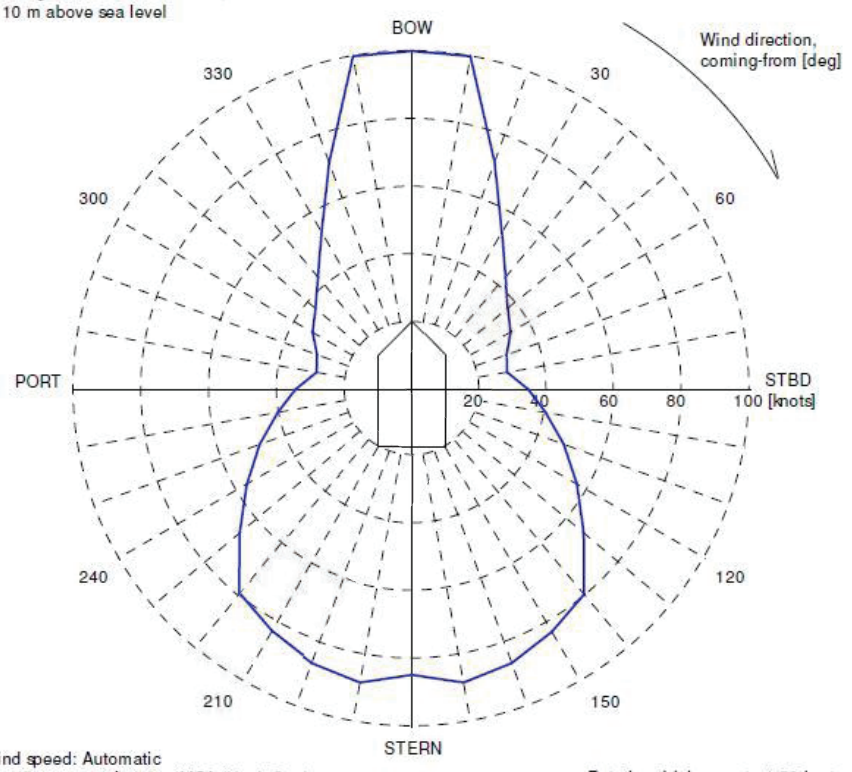
TDW-1

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

Version	:	StatCap v. 2.9.0
Input file reference	:	Foot_4831.scp
Last modified	:	2012-12-25 14.17
Length overall	:	75.0 m
Length between perpendiculars	:	67.8 m
Breadth	:	17.3 m
Draught	:	6.5 m
Displacement	:	5706.0 t (Cb = 0.73)
Longitudinal radius of inertia	:	17.0 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	29.0	0.0	9.0	-9.0	100	600	
2	TUNNEL	26.7	0.0	9.0	-9.0	100	600	
3	AZIMUTH	-32.0	-3.5	21.3	-13.1	100	1206	
4	AZIMUTH	-32.0	3.5	21.3	-13.1	100	1206	

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



Wind speed: Automatic
Significant wave height: IMCA (North Sea)
Mean zero up-crossing period: IMCA (North Sea)

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

LAST UPDATE: 11/20/2023