



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:	11.2 ft	3.4 m	
Minimum Height:	87.6 ft	26.7 m	
Freeboard:	4.9 ft	1.5 m	
Displacement:	5,510 lt	5,600 mt	
Deadweight:	3,200 lt	3,250 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/ft²	5.5 t/m²	
Class Notations:	ABS: +A1, (E), Offshore Support, FFV-1, +AMS, +ACCU, +DPS-2, RW		

75 M FUJIAN SE PLATFORM SUPPLY VESSEL

Capacities

Deck Cargo:	1,180 lt	1,200 t
Fuel Oil:	260,000 gal	980 m ³
Potable Water:	31,100 gal	120 m ³
Fresh Water:	111,000 gal	420 m³
Drill/Ballast Water:	426,000 gal	1,610 m³
Bulk Tanks (4 tanks):	7,850 ft³	220 m ³
Liquid Mud (2.5 SG*): *Max Structural Specific Gravity	3,920 bbl	620 m ³
Oil Dispersant:	3,330 gal	12.6 m ³
Fire Fighting Foam:	3,330 gal	12.6 m ³

TIDEWATER

Find out more

tdw.com

Pg.2 Further Specifications Pg.3 General Arrangement Pg.4 Capacity Table Pg.5 DP Capability Plot

Further specifications



Machinery

Main Engines (2):		N	IIGATA 8L28H		
Total HP:			6,000		
Z-Drives:			Yes		
Propellers (2):	NIIGATA ZP-41, Fixe				
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-88B3 CPf				
Driven by:	650 kw Electric Motor				
Total Thrust:		21.8 st	19.8 mt		

Deck Equipment

Anchors (2):	4365 lbs HHP
Anchor Chain:	470 m of 46 mm chain per side
Windlass:	Plimsoll 13t@18m/min
Crane (1):	3 t @ 9.8 m
Capstans (2):	10 t Mentrade 25m/min
Tugger (2):	10 t Mentrade 24m/min

Accommodations

No. of Berths:	50
Cabins:	10x1-man & 20x2-man
Certified to Carry:	50
Galley seating:	23
Hospital:	Yes

Registration

Flag: MEXICO	Home Port: DOS BOCAS
Hull Number: 5	IMO N ^o : 9617791
Year Built: 2012	Call Sign: XCUC8
Builder:	FUJIAN SOUTHEAST SHIPYARD
Tonnage (ITC):	2899 GT 869 NT

Performance*

Fuel Consumption Vs Speed						
Maximum:	22.7 m	22.7 m³/day (250 gph) @ 13 knots				
Cruising:	18.2 m ³	⁵ /day (200 gph) @ 10 knots				
Economical:	13.6 m³/day (150 gph) @ 8 knots					
Range @ 8 Knots:	13,900 nm					
Transfer Rates						
Fuel Oil:	660 gpm @ 260 ft	150 m³/h @ 80 m				
Fresh Water:	440 gpm @ 280 ft	100 m³/h @ 85 m				
Drill/Ballast Water:	440 gpm @ 260 ft	100 m³/h @ 80 m				
Bulk:	33 cfm @ 200 ft	56 m³/h @ 60 m				
Liquid Mud:	330 gpm @ 300 ft	75 m³/h @ 90 m				

Nav/Comms Equipment

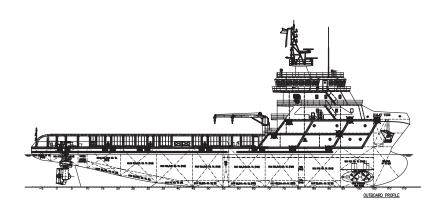
Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	2 x VHF

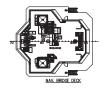
Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	3 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 Approved
Fuel Monitoring:	FUELTRAX
Reefer Sockets:	1x 415V 63A; 5x 415V 32A; 2x 220V 32A
SPS Compliant:	Yes
Misc:	MSD - 50 PERSONS

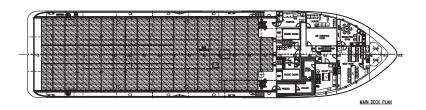
General Arrangement (Current configuration may vary.)

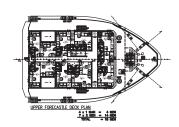


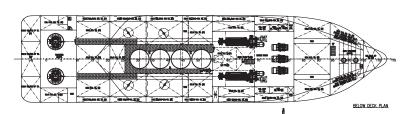


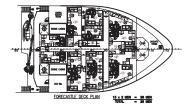


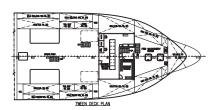












Capacity Table



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	98.5	<u> </u>	<u> </u>		98.5						<u> </u>		Элор.
NO.1 DB DW/BW C	DW/WB	83.4				83.4								
NO.2 DW/BW P	DW/WB	79.9				79.9								
NO.2 DW/BW S	DW/WB	79.9				79.9								
NO.3 DB DW/BW P	DW/WB	43.3				43.3								
NO.3 DB DW/BW S	DW/WB	43.3				43.3								
NO.4 DW/BW P	DW/WB	103.7				103.7								
NO.4 DW/BW S	DW/WB	95.3				95.3								
NO.5 DB DW/BW P	DW/WB	28.6				28.6								
NO.5 DB DW/BW S	DW/WB	28.6				28.6								
NO.6 DW/BW P	DW/WB	72.0				72.0								
NO.6 DW/BW S	DW/WB	72.0				72.0								
NO.7 DB DW/BW C	DW/WB	51.5				51.5								
NO.8 DW/BW P	DW/WB	88.8				88.8								
NO.8 DW/BW S	DW/WB	88.8				88.8								
NO.9 DB DW/BW C	DW/WB	73.0				73.0								
NO.10 DW/BW P	DW/WB	77.1				77.1								
NO.10 DW/BW S	DW/WB	77.1				77.1								
NO.11 DB DW/BW C	DW/WB	56.7				56.7								
NO.12 DW/BW P	DW/WB	55.0				55.0								
NO.12 DW/BW S	DW/WB	55.0				55.0								
No.13 AP DW/WB Tk C	DW/WB	79.5				79.5								
No.14 AP DW/WB Tk P	DW/WB	40.3				40.3								
No.14 AP DW/WB Tk S	DW/WB	40.3				40.3								
No.1 FW Tk P	Ship's FW	58.8					58.8							
No.1 FW Tk S	Ship's FW	58.8					58.8							
No.2 FW Tk P	FW	132.7						132.7						
No.2 FW Tk S	FW	132.7						132.7						
No.3 DB FW Tk C	FW	65.9						65.9						
No.4 FW Tk P	FW	45.1						45.1						
No.4 FW Tk S	FW	45.1						45.1						
NO.1 FO Tk C	FO	105.9		105.9										
NO.2 FO Tk P	FO	88.0		88.0										
NO.2 FO Tk S	FO	73.7		73.7										
NO.3 FO Tk P	FO	157.4		157.4										
NO.3 FO Tk S	FO	157.4		157.4										
NO.4 FO Tk C	FO	87.1		87.1										
NO.5 FO Tk P	FO	78.6		78.6										
NO.5 FO Tk S	FO	78.6		78.6										
NO.6 FO Tk C	FO	157.4		157.4										
FO Day Tank P	FO	24.1		24.1										
FO Day Tank S	FO	24.1		24.1										
FO Overflow Tk C	FO	17.5		17.5										
Lube Oil Tk P	LO	5.8										5.8		
Lube Oil Tk S	LO	12.8										12.8		
No. 1 LM Tk P	LM/BR	184.2								184.2				
No. 1 LM Tk S	LM/BR	184.2								184.2				
No. 2 LM Tk P	LM/BR	127.8								127.8				
No. 2 LM Tk S	LM/BR	127.8								127.8				
NO.1 Dry Bulk	Dry Bulk	58.0			58.0									
NO.2 Dry Bulk	Dry Bulk	58.0			58.0									
NO.3 Dry Bulk	Dry Bulk	58.0			58.0									
NO.4 Dry Bulk	Dry Bulk	48.3			48.3								15	
Foam Tk	Foam	12.6											12.6	
Detergent	Disp.	12.6												12.6
		3-		4.040.5	000.5	4.044.5	44= 0	404.5	0.0	0011		46.0	46.0	46.4
		lume [m³]				1,611.6	117.6	421.5	0.0	624.0	0.0	18.6	12.6	12.6
Spec	Sheet Total Vo	lume [m³]	0.0	984.1	222.3	1,611.6	117.6	421.5	0.0	624.0	0.0	18.6	12.6	12.6

^{*}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





Input file reference

Last modified

DP Capability Plot

VARIABLE WIND AND WAVES

Case number Case description Thrusters active Rudders active

All thrusters enabled (1.5kn current)

NGSBERG	FUJIAN DN/5M

: 2011-04-13 14.19 (v. 2.8.0)

Length overall	:	75.0 m	
Length between perpendiculars	:	67.0 m	
Breadth	:	17.3 m	
Draught	:	6.5 m	
Displacement	:	5550.0 t	(Cb = 0.72)
Longitudinal radius of inertia	:	16.8 m	(= 0.25 * Lpp)
Pos. of origin ahead of Lpp/2 (Xo)	:	0.0 m	
Wind load coefficients	:	Calculated (E	Blendermann)
Current load coefficients	:	Calculated (S	Strip-theory)
Wave-drift load coefficients		Database (Sc	aled by Breadth/Length

: 3837.scp

Tidal current direction offset 0.0 deg 0.0 deg Wave direction offset Wave spectrum type

JONSWAP (gamma = 3.30) Wind spectrum type NPD

Current - wave-drift interaction

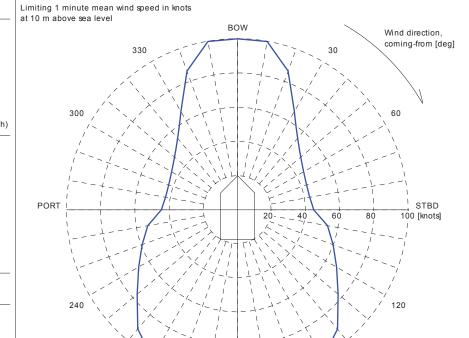
Load dynamics allowance 1.0 * STD of thrust demand

Additional surge force 0.0 tf 0.0 ff Additional sway force Additional yawing moment 0.0 tf.m

Fixed Additional force direction 1026.0 kg/m³ Density of salt water Density of air 1.226 kg/m³ (15 °C)

OFF Power limitations OFF Thrust loss calculation

#	Thruster	X [m]	Y [m]	F+ [tf]	F- [tf] I	Max [%]	Pe [kW]	Rudder
1	TUNNEL	27.3	0.0	9.7	-9.7	100	650	
2	TUNNEL	24.9	0.0	9.7	-9.7	100	650	
3	AZIMUTH	-33.6	-3.5	39.0	-24.0	100	2206	
4	A ZIMILITH	33 6	3.5	30.0	24.0	100	2206	



STERN

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

210

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

150