



CHRISTINA TIDE as shown, RINA TIDE similar

KHIAM CHUAN 60M AHTS

Vessel Characteristics

Length, Overall:	196.9 ft	60 m
Beam:	51.8 ft	15.8 m
Depth:	21.3 ft	6.5 m
Maximum Draft:	17.4 ft	5.3 m
Minimum Height:	73.8 ft	22.5 m
Freeboard:	3.9 ft	1.2 m
Displacement:	3,290 lt	3,340 mt
Deadweight:	1,480 lt	1,500 mt
Clear Deck Space:	97 x 44 ft	30 x 13 m
Clear Deck Area:	4,220 ft ²	390 m ²
Deck Strength AFT:	1,430 lb/ft ²	7 t/m ²
Class Notations:	ABS: +A1, AH, FFV-1, OSR-C, Offshore Support Vessel, Supply-HNLS, TOW, (E), +AMS, +DPS-2, SPS, RW	

Capacities

Deck Cargo:	490 lt	500 t
Fuel Oil:	147,000 gal	560 m ³
Potable Water:	39,200 gal	150 m ³
Fresh Water:	194,000 gal	730 m ³
Drill/Ballast Water:	39,700 gal	150 m ³
Bulk Tanks (4 tanks):	6,000 ft ³	170 m ³
Liquid Mud (2.5 SG*):	2,240 bbl	360 m ³
*Max Structural Specific Gravity		
Oil Dispersant:	3,790 gal	14.4 m ³
Fire Fighting Foam:	3,790 gal	14.4 m ³

TIDEWATER

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Machinery

Main Engines (2):	NIIGATA 6MG28AHX		
Total HP:	5,920		
Propellers (2):	BERG BCP 760 CPP		
Gears (2):	REINTJES LAF3455		
Kort Nozzles:	2		
Rudders (2):	HIGH PERFORMANCE		
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 ENGINES		
Emergency Generators (1):	90 kw	410 v	50 hz
Driven by:	CUMMINS 6CT8.3-D(M)		
Bow Thruster (2):	KAWASAKI KT-88B3 CPP TT		
Driven by:	650KW ELECTRIC MOTORS		
Total Thrust:	21.8 st	19.8 mt	
Stern Thruster (1):	KAWASAKI KT-88B3 CPP TT		
Driven by:	650KW ELECTRIC MOTOR		
Total Thrust:	11 st	10 mt	

Performance*

Fuel Consumption Vs Speed		
Maximum:	18 m³/day (200 gph) @ 13.6 knots	
Cruising:	13.7 m³/day (150 gph) @ 12.3 knots	
Economical:	9.5 m³/day (100 gph) @ 10 knots	
Standby:	2 m³/day (22 gph) @ 0 knots	
Range @ 12.3 Knots:	12,000 nm	
Bollard Pull	90.1 st	81.7 mt
Transfer Rates		
Fuel Oil:	440 gpm @ 250 ft	100 m³/h @ 75 m
Fresh Water:	440 gpm @ 250 ft	100 m³/h @ 75 m
Drill/Ballast Water:	440 gpm @ 250 ft	100 m³/h @ 75 m
Bulk:	25 cfm @ 180 ft	42.5 m³/h @ 56 m
Liquid Mud:	310 gpm @ 250 ft	70 m³/h @ 75 m

Tow/Anchor Handling

Winch:	DOUBLE DRUM ELECTRO HYDRAULIC WATER-FALL TYPE (225T BREAK)
Model:	MACGREGOR MG-AHTW1520U10058
Line Pull:	150 mt
Tow/AH Wire:	1000 m / 1000 m of 58 mm
Pennant Reels (1):	1000 m of 58 mm
Shark Jaw:	1 X MACGREGOR 200 MT
Tow Pins:	1 SET (2 PINS) MACGREGOR 200 MT SWL
Stern Roller:	5.0M X 1.8M DIA.; 200 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:	SAILOR 1000 XTR VSAT

Accommodations

No. of Berths:	48
Cabins:	4x1-man, 6x2-man & 8x4-man
Certified to Carry:	48
Galley seating:	33
Hospital:	Yes

Deck Equipment

Anchors (2):	1440 KG AC-14 HHP
Anchor Chain:	220 m of 40 mm chain per side
Windlass:	MACGREGOR MG-HAW/GG-40 10T @ 12M/MIN
Crane (1):	3 t @ 12 m
Capstans (2):	5 t MACGREGOR MG-HVC-0540
Tugger (2):	10 t MACGREGOR MG-HUW-1040UL/UR 15M/MIN

*Approximate values assuming Ideal Conditions



Registration

Flag: VANUATU	Home Port: PORT VILA	
Hull Number: 110110	IMO N ^o : 9705548	
Year Built: 2022	Call Sign: YJXK2	
Builder:	JIANGSU ISLANDS SHIPBUILDING INDUSTRY	
Tonnage (ITC):	1944 GT	583 NT

Special Equipment

Fire Fighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Laser-based
Water Maker:	1 X 5T/DAY
Mud Circulation System/ Mud Mixers:	Yes/Yes
Rescue Zone:	Yes
Rescue Boat:	6-Man FRP Rescue Boat
Fuel Monitoring:	FUELTRAX
Reefer Sockets:	4x 415V; 2x 220V
Misc:	MSD - 50 Persons; Cargo Flow Meters: FO, FW, DW; ORO Capacity - 284.5 m3

*Approximate values assuming Ideal Conditions



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.
DW/WB FP TK C	DW/WB	70.2				70.2								
DW/WB WG TK 1P	DW/WB	38.3				38.3		38.3						
DW/WB WG TK 1S	DW/WB	38.3				38.3		38.3						
DW/WB DB TK 2C	DW/WB	87.1				87.1		87.1						
DW/WB WG TK 3P	DW/WB	38.3				38.3		38.3						
DW/WB WG TK 3S	DW/WB	38.3				38.3		38.3						
DW/WB DB TK 4C	DW/WB	85.7				85.7		85.7						
DW/WB TK 5P	DW/WB	50.3				50.3		50.3						
DW/WB TK 5S	DW/WB	50.3				50.3		50.3						
DW/WB TK 6P	DW/WB	40.1				40.1		40.1						
DW/WB TK 6S	DW/WB	40.1				40.1		40.1						
DW/WB AP TK P	DW/WB	26.6				26.6								
DW/WB AP TK S	DW/WB	26.6				26.6								
DW/WB AP TK C	DW/WB	26.8				26.8								
FW WG TK 1P	FW	62.8						62.8						
FW WG TK 1S	FW	62.8						62.8						
FW DB TK 2P	SHIP'S FW	73.7					73.7							
FW DB TK 2S	SHIP'S FW	74.7					74.7							
FW WG TK 3P	FW	50.5						50.5						
FW WG TK 3S	FW	50.5						50.5						
FO Tank 1P	FO	19.7		19.7										
FO Tank 1S	FO	19.7		19.7										
FO DB Tank 2P	FO	31.8		31.8										
FO DB Tank 2S	FO	31.8		31.8										
FO Tank 3P	FO	76.5		76.5										
FO Tank 3S	FO	76.5		76.5										
FO DB Tank 4P	FO	29.8		29.8										
FO DB Tank 4S	FO	29.8		29.8										
FO Tank 5P	FO	30.4		30.4										
FO Tank 5S	FO	30.4		30.4										
FO DB Tank 6C	FO	55.2		55.2										
FO Tank 7P	FO	12.6		12.6										
FO Tank 7S	FO	12.6		12.6										
FO DB Tank 8C	FO	62.6		62.6										
FO Tank 9P	FO	19.1		19.1										
FO Tank 9S	FO	19.1		19.1										
FO Day Tank P	FO	15.2		15.2										
FO Day Tank S	FO	15.2		15.2										
MUD/BR/RO TK 1P	LM/BR/ORO	84.4								84.4				
MUD/BR/RO TK 1S	LM/BR/ORO	84.4								84.4				
MUD/BR/RO TK 2P	LM/BR/ORO	58.3								58.3				
MUD/BR/RO TK 2S	LM/BR/ORO	57.4								57.4				
MUD/BR TK 3C	LM/BR/ORO	71.4								71.4				
CEM TANK 1	DRY BULK	42.5			42.5									
CEM TANK 2	DRY BULK	42.5			42.5									
CEM TANK 3	DRY BULK	42.5			42.5									
CEM TANK 4	DRY BULK	42.5			42.5									
FOAM TK P	FOAM	14.4											14.4	
Lube Oil TK P	LO	7.2										7.2		
Lube Oil TK S	LO	14.4										14.4		
Detergent Tk S	DISP.	14.4												14.4
Total Volume [m ³]			0.0	588.2	169.9	657.1	148.4	733.5	0.0	355.8	0.0	21.5	14.4	14.4
Spec Sheet Total Volume [m ³]			0.0	557.7	169.9	150.2	148.4	733.5	0.0	355.8	0.0	21.5	14.4	14.4

*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.

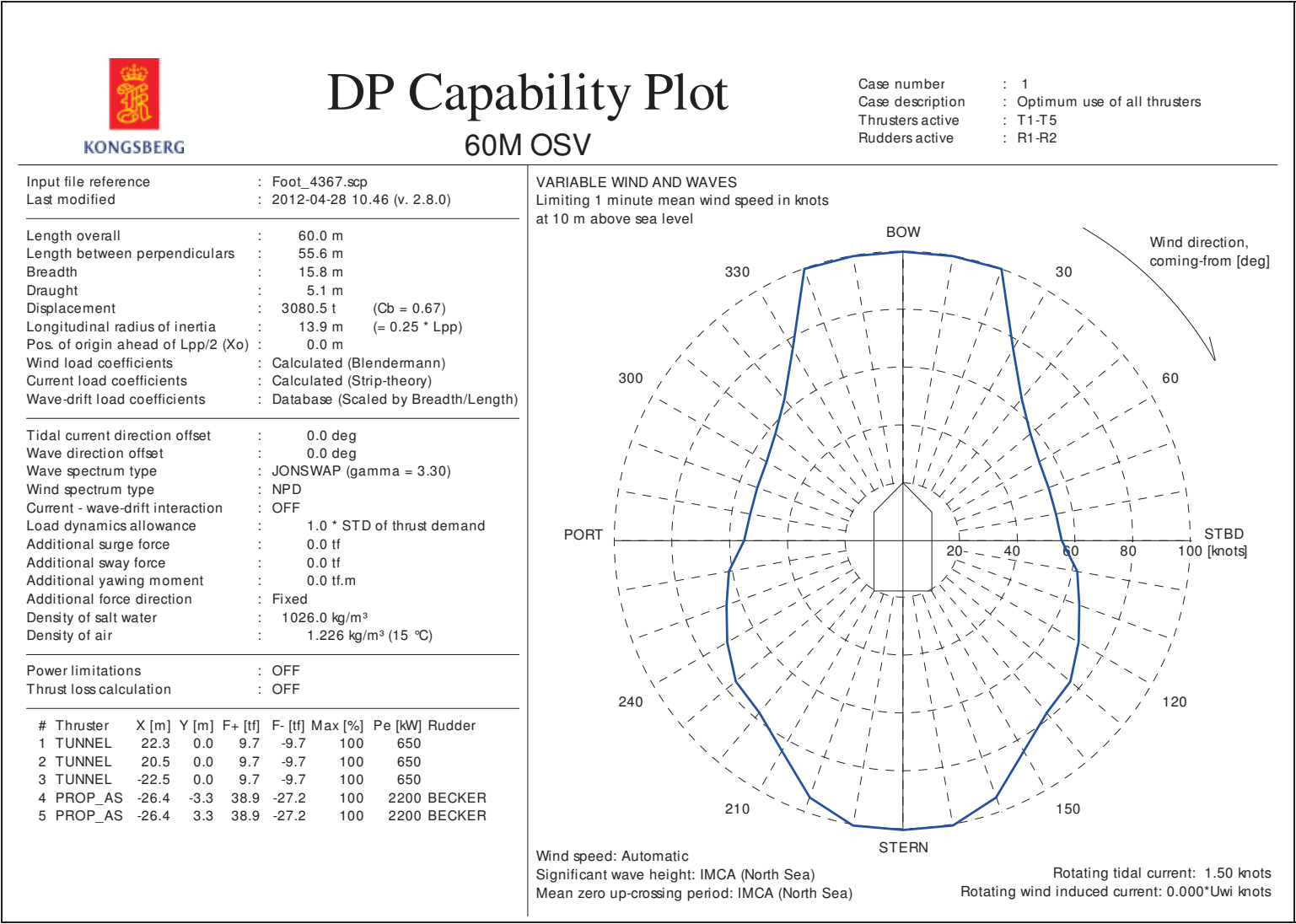


Figure 11: DP capability envelope for case 1.