

WISE TIDE II



GPA 670 PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	240.2 ft	73.2 m
Beam:	54.1 ft	16.5 m
Depth:	22.3 ft	6.8 m
Maximum Draft:	18 ft	5.5 m
Light Draft:	8.5 ft	2.6 m
Minimum Height:	82.3 ft	25.1 m
Freeboard:	4.3 ft	1.3 m
Displacement:	4,930 lt	5,010 mt
Deadweight:	2,980 lt	3,030 mt
Clear Deck Space:	162 x 45 ft	49 x 14 m
Clear Deck Area:	7,210 ft ²	670 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	ABS: +A1, (E), OSV, FFV-1, +AMS, +DPS-2, +ACCU	

Capacities

Deck Cargo:	1,570 lt	1,600 t
Fuel Oil:	269,000 gal	1,020 m ³
Potable Water:	26,800 gal	100 m ³
Fresh Water:	185,000 gal	700 m ³
Drill/Ballast Water:	103,000 gal	390 m ³
Bulk Tanks (4 tanks):	9,000 ft ³	250 m ³
Liquid Mud (2.5 SG*):	6,810 bbl	1,080 m ³
*Max Structural Specific Gravity		
Base Oil:	1,250 bbl	200 m ³
Oil Dispersant:	5,100 gal	19.3 m ³
Fire Fighting Foam:	5,100 gal	19.3 m ³

TIDEWATER

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Pg.2 Further Specifications
Pg.3 General Arrangement

Pg.4 Capacity Table
Pg.5 DP Capability Plot

NOTICE: The data contained herein is provided for convenience of reference to allow users to determine the suitability of the Company's equipment. The data may vary from the current condition of equipment which can only be determined by physical inspection. Company has exercised due diligence to insure that the data contained herein is reasonably accurate. However, Company does not warrant the accuracy or completeness of the data. In no event shall Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,150 / 7,340		
Z-Drives:	Yes		
Propellers (2):	2 x 2574 HP		
Primary Generators (3):	1,820 kw	440 v	60 hz
Driven by:	CUMMINS QSK 60		
Emergency Generators (1):	250 kw	440 v	60 hz
Driven by:	CAT C9		
Bow Thruster (2):	CPP 4-Blade Tunnel		
Driven by:	Electric Motor (746KW ea.)		
Total Thrust:	25 st	22.7 mt	

Deck Equipment

Anchors (2):	5,424 LBS STOCKLESS TYPE
Anchor Chain:	330 m of 38 mm chain per side
Crane (1):	2 t @ 15.8 m
Capstans (2):	8 t ELECTRO-HYDRAULIC PLIMSOLL (14M/MIN)
Tugger (1):	10 t PLIMSOLL (14M/MIN)

Accommodations

No. of Berths:	23
Cabins:	5x1-man, 5x2-man & 2x4-man
Certified to Carry:	23
Galley seating:	22
Hospital:	Yes

Registration

Flag: VANUATU	Home Port: PORT VILA
Hull Number: 170	IMO N ^o : 9555278
Year Built: 2009	Call Sign: YJVT2
Builder:	ZHEJIANG SHIPBUILDING
Tonnage (ITC):	2308 GT852 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	19.5 m³/day (210 gph) @ 12 knots	
Cruising:	14 m³/day (150 gph) @ 10 knots	
Economical:	9.6 m³/day (110 gph) @ 8 knots	
Standby:	0.6 m³/day (6.1 gph) @ 0 knots	
Range @ 10 Knots:	17,500 nm	
Transfer Rates		
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Drill/Ballast Water:	660 gpm @ 300 ft	150 m³/h @ 92 m
Bulk:	37.5 cfm @ 200 ft	63.7 m³/h @ 61 m
Liquid Mud:	330 gpm @ 500 ft	75 m³/h @ 150 m
Base Oil:	660 gpm @ 300 ft	150 m³/h @ 92 m

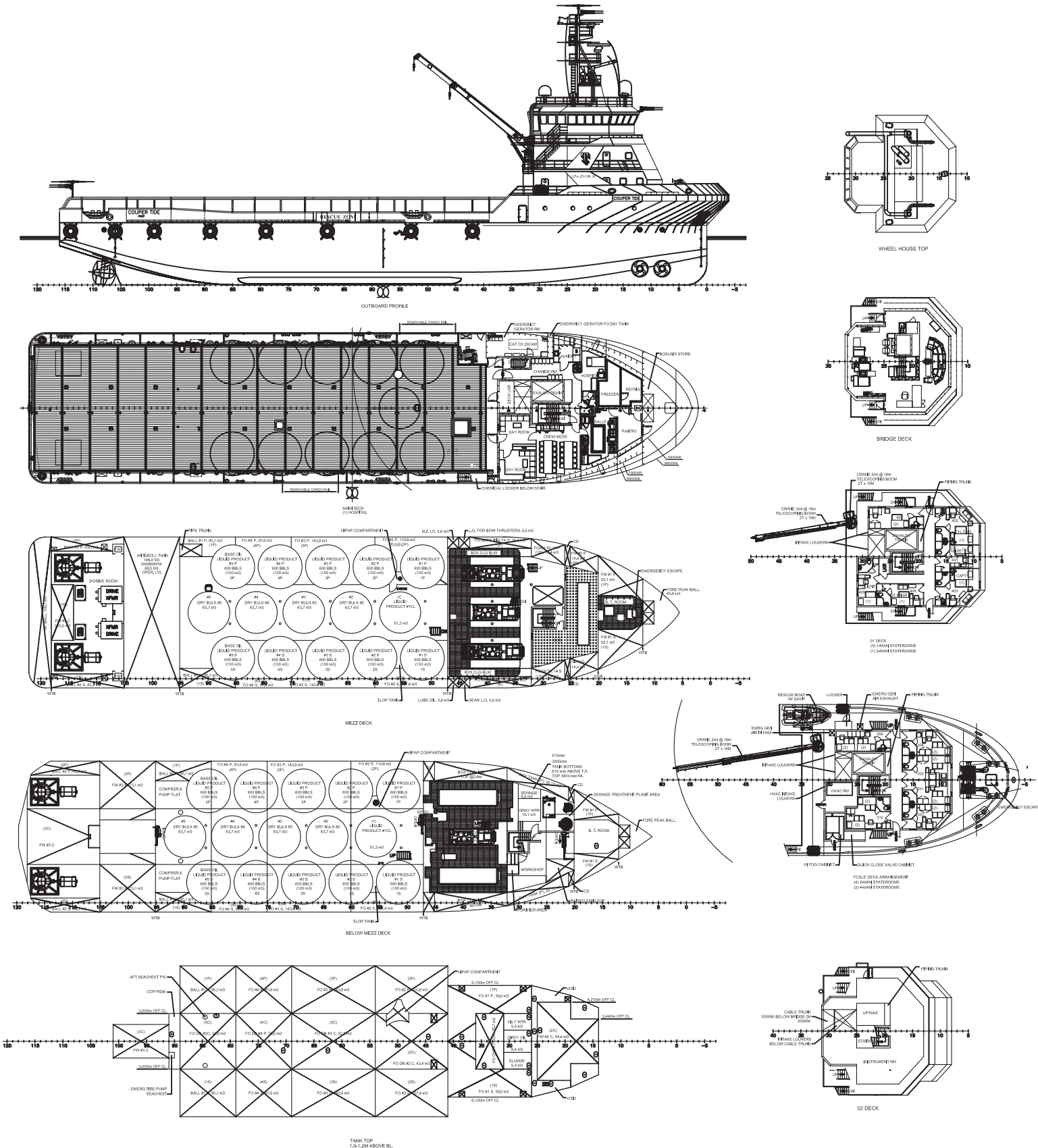
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Cyro Compass:	3
Wind Speed Indicators:	2
Doppler Log:	1
Radio:	2 x VHF; 1 x SSB
Sat Com:	2XINMARSAT-C / 1XIRIDIUM

Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Laser-based
Water Maker:	2X30 T/DAY
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	15-MAN FRC
Reefer Sockets:	2x 220V 20A; 2x 440 32A
Misc:	MSD-4.66m3/DAY

*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	38.9				38.9								
DW/WB No. 1 S	DW/WB	78.9				78.9								
DW/WB No. 1 P	DW/WB	87.3				87.3								
DW/WB No. 2 S	DW/WB	42.7				42.7								
DW/WB No. 2 P	DW/WB	42.7				42.7								
DW/WB AP Tk C	DW/WB	100.2				100.2								
Anit-Roll Tank	DW/WB/FW	351.4				351.4		351.4						
FW 1 P	Ships FW	50.8					50.8							
FW 1 S	Ships FW	50.8					50.8							
FW 2 P	FW	11.9						11.9						
FW 2 C	FW	44.4						44.4						
FW 3 P	FW	73.2						73.2						
FW 3 C	FW	145.6						145.6						
FW 3 S	FW	73.2						73.2						
FO DB 1 S	FO	40.8		40.8										
FO DB 1 P	FO	40.8		40.8										
FO 2 S	FO	113.7		113.7										
FO DB 2 C	FO	44.0		44.0										
FO 2 P	FO	115.9		115.9										
FO 3 S	FO	150.0		150.0										
FO DB 3 C	FO	55.0		55.0										
FO 3 P	FO	150.0		150.0										
FO 4 S	FO	91.6		91.6										
FO DB 4 C	FO	36.7		36.7										
FO 4 P	FO	91.6		91.6										
FO DB 5 C	FO	35.4		35.4										
FO Overflow	FO	21.6		21.6										
FO Settling Tk S	FO	27.4		27.4										
FO Settling Tk P	FO	27.4		27.4										
FO Day Tk S	FO	18.5		18.5										
FO Day Tk P	FO	18.5		18.5										
Em. Gen Tk	FO	3.8		3.8										
Liq. Product 1 S	LM	99.0								99.0				
Liq. Product 1 P	LM	99.0								99.0				
Liq. Product 1 C	LM	92.8								92.8				
Liq. Product 2 S	LM	99.0								99.0				
Liq. Product 2 P	LM	99.0								99.0				
Liq. Product 3 S	LM	99.0								99.0				
Liq. Product 3 P	LM	99.0								99.0				
Liq. Product 4 S	LM	99.0								99.0				
Liq. Product 4 P	LM	99.0								99.0				
Liq. Product 5 S	LM/BO	99.0	99.0							99.0				
Liq. Product 5 P	LM/BO	99.0	99.0							99.0				
LO BT Tk P	LO	5.8										5.8		
ME LO P	LO	5.8										5.8		
Lube Oil Tk	LO	5.8										5.8		
Foam Tk S	Foam	19.3											19.3	
Detergent Tk P	Oil Disp.	19.3												19.3
Dry Bulk 2 C	Dry Bulk	63.7			63.7									
Dry Bulk 3 C	Dry Bulk	63.7			63.7									
Dry Bulk 4 C	Dry Bulk	63.7			63.7									
Dry Bulk 5 C	Dry Bulk	63.7			63.7									
Total Volume [m ³]			198.0	1,082.5	254.9	742.1	101.6	699.7	0.0	1,083.0	0.0	17.5	19.3	19.3
Spec Sheet Total Volume [m ³]			198.0	1,020.2	254.9	390.6	101.6	699.7	0.0	1,083.0	0.0	17.5	19.3	19.3

*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.

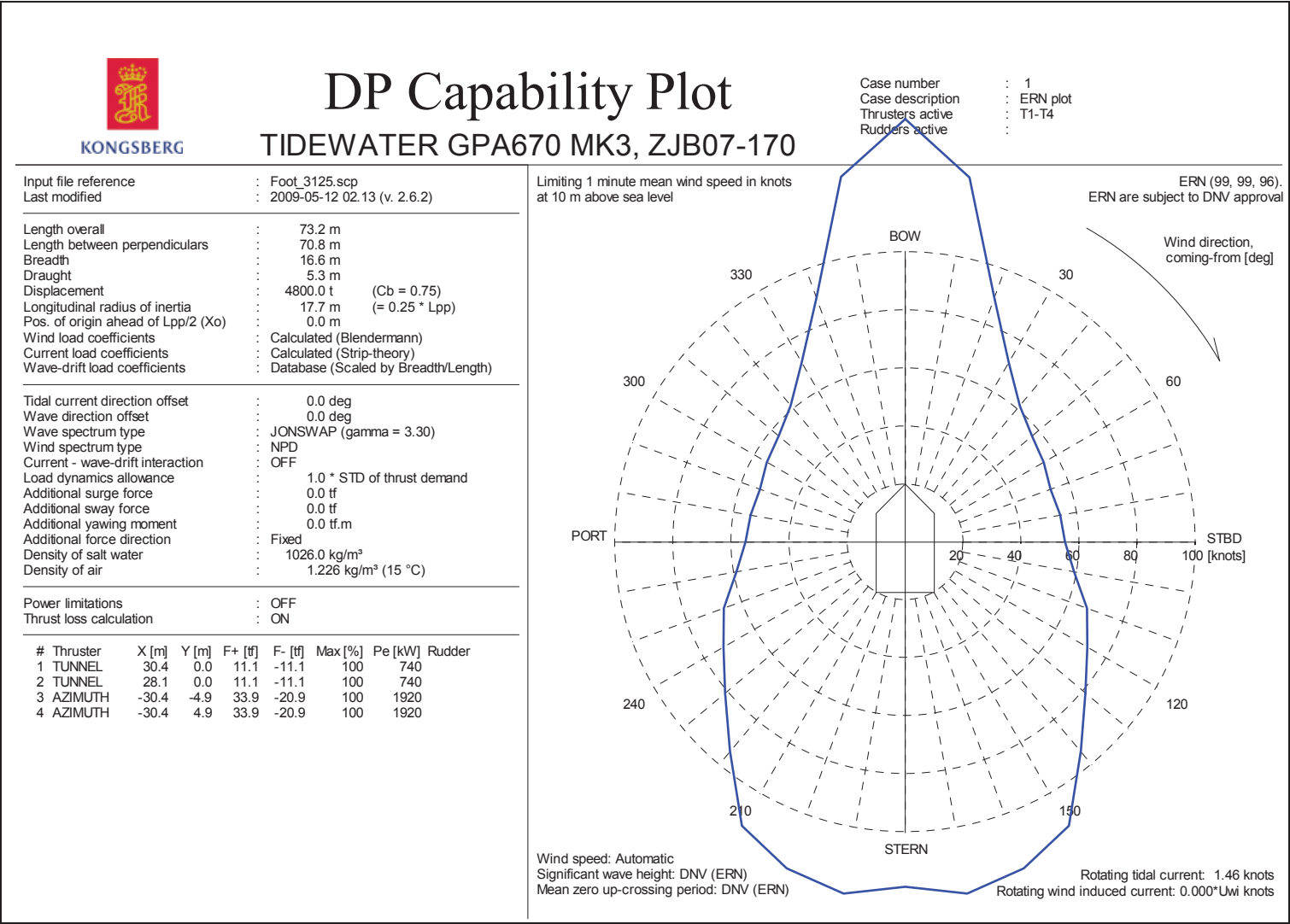


Figure 10: DP capability envelope for case 1.