PACIFIC HAWK

PACIFIC HORNBILL as shown, PACIFIC HAWK similar

AKER PSV 09 CD

Vessel Characteristics

Length, Overall:	289 ft	88.1 m
Beam:	62.3 ft	19 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.7 ft	6.6 m
Light Draft:	10.2 ft	3.1 m
Freeboard:	4.6 ft	1.4 m
Displacement:	7,460 lt	7,580 mt
Deadweight:	4,630 lt	4,710 mt
Clear Deck Space:	203 x 53 ft	62 x 16 m
Clear Deck Area:	10,800 ft^2	1000 m^2
Deck Strength FWD:	1,020 lb/ft^2	5 t/m^2
Deck Strength AFT:	2,050 lb/ft^2	10 t/m^2
Class Notations:	DNV: +1A1, Fire fighter(I), Supply vessel, Clean(Design), COMF(V-3), DK(+), DYNPOS(AUTR), E0, HL(2.8), LFL(*), NAUT(OSV(A)), SF, PMS(M), CLEAN, DDV(PMS)	

Capacities

Deck Cargo:	2,360 lt	2,400 t
Fuel Oil:	241,000 gal	910 m^3
Potable Water:	35,500 gal	130 m^3
Fresh Water:	103,000 gal	390 m^3
Drill/Ballast Water:	690,000 gal	2,610 m^3
Bulk Tanks (6 tanks):	11,400 ft^3	320 m^3
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	6,160 bbl	980 m^3
Methanol:	1,050 bbl	170 m^3
Base Oil:	880 bbl	140 m^3

TIDEWATER

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

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Further specifications

Machinery

Diesel Electric Vessel			
Propulsive/Total HP:			5,900 / 8,930
Z-Drives:			Yes
Propellers (2):			RRM CONTAZ 15 2200KW
Primary Generators (4):	1,600 kw	690 v	60 hz
Driven by:			WARTSILA 9L20
Emergency Generators (1):	370 kw	440 v	60 hz
Driven by:			SCANIA DI 16 55 M
Bow Thruster (2):			1XRR 2200 TT FP, 1XRR TCNSO73FP DD
Driven by:			880KW ELECTRIC MOTORS
Total Thrust:		29.5 st	26.8 mt

Deck Equipment

Anchors (2):	3780 KG
Anchor Chain:	260 m of 48 mm chain per side
Windlass:	2 x ODIM Electric Driven
Crane (1):	1 t @ 10 m
Aux. Crane (1):	5 t @ 10 m
Capstans (2):	10 t ODIM
Tugger (2):	10 t RRM

Accommodations

No. of Berths:	44
Cabins:	13x1-man & 14x2-man
Certified to Carry:	44
Galley seating:	32
Hospital:	Yes

Registration

Flag: ISLE OF MAN		**Home Port:** DOUGLAS
Hull Number: 10005		**IMO N^{O}:** 9579092
Year Built: 2011		**Call Sign:** MSZO2
Builder:		Universal Shipbuilding Corporation
Tonnage (ITC):	4059 GT	1627 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:		21 m³/day (230 gph) @ 13 knots
Cruising:		18 m³/day (200 gph) @ 12 knots
Economical:		13 m³/day (140 gph) @ 10 knots
Standby:		2.1 m³/day (23.1 gph) @ 0 knots
Transfer Rates		
Fuel Oil:	660 gpm @ 300 ft	150 m³/h @ 90 m
Fresh Water:	660 gpm @ 300 ft	150 m³/h @ 90 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 90 m
Bulk:	31.6 cfm @ 190 ft	53.6 m³/h @ 57 m
Liquid Mud:	440 gpm @ 300 ft	100 m³/h @ 90 m
Base Oil:	330 gpm @ 300 ft	75 m³/h @ 90 m
Brine:	440 gpm @ 300 ft	100 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; 1 x SSB
Sat Com:	1 X INMARSAT C

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
Mud Mixers:	Yes
Rescue Boat:	Norsafe Merlin 615 FRB, 13 Persons
Misc:	MSD; HiPAP Ready

*Approximate values assuming Ideal Conditions

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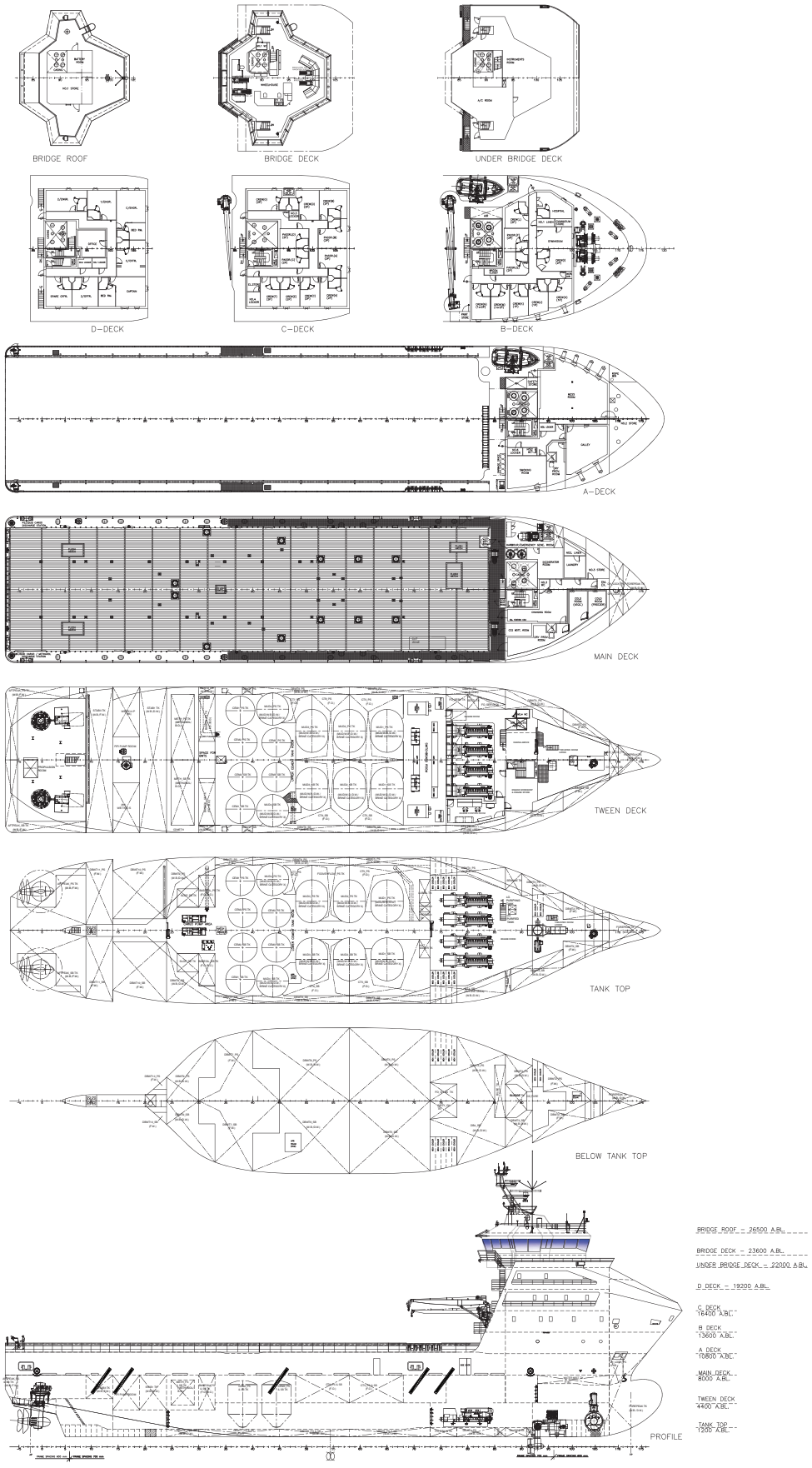
General Arrangement (Current configuration may vary.)



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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.
FOREPEAK TK	DW/WB	101.5				101.5								
DW/WB DBW T3 SB	DW/WB	92.5				92.5								
DW/WB DBW T3 PS	DW/WB	83.8				83.8								
DW/WB W T4 SB	DW/WB	83.3				83.3								
DW/WB DBW T4 PS	DW/WB	136.5				136.5								
DW/WB DB T4 SB	DW/WB	53.2				53.2								
DW/WB DBW T5 SB	DW/WB	194.6				194.6								
DW/WB DBW T5 PS	DW/WB	194.6				194.6								
DW/WB DBW T6 SB	DW/WB	197.8				197.8								
DW/WB DBW T6 PS	DW/WB	204.3				204.3								
DW/WB DBW T9 SB	DW/WB	83.0				83.0								
DW/WB DBW T9 PS	DW/WB	83.0				83.0								
CD METH	DW/WB	186.8				186.8								
STAB TK 1	DW/WB	291.8				291.8								
DW/WB WB T10 SB	DW/WB	96.3				96.3								
DW/WB WB T10 PS	DW/WB	96.3				96.3								
STAB TK 3	DW/WB	197.3				197.3								
AFT PEAK TK SB	DW/WB	122.1				122.1								
AFT PEAK TK PS	DW/WB	113.5				113.5								
FW DB/WT 2 SB	SHIP'S FW	68.1					68.1							
FW DB/WT 2 PS	SHIP'S FW	66.2					66.2							
FW DB/WT 7 SB	FW	72.2						72.2						
FW DB/WT 7 PS	FW	71.8						71.8						
FW DB/WT 10 SB	FW	70.4						70.4						
FW DB/WT 10 PS	FW	70.4						70.4						
FW DB/WT 11 SB	FW	53.1						53.1						
FW DB/WT 11 PS	FW	53.1						53.1						
BASE OIL SB	FO/BO	69.6	69.6	69.6										
BASE OIL PS	FO/BO	69.6	69.6	69.6										
FO CT 5 SB	FO	231.8		231.8										
FO CT 5 PS	FO	218.0		218.0										
FO CT 6 SB	FO	174.0		174.0										
FO CT 6 PS	FO	88.2		88.2										
FO CT 7 PS	FO	61.4		61.4										
FO OVERFLOW	FO	47.4		47.4										
FO SERVE TK	FO	18.8		18.8										
FO SERVE TK 2	FO	13.3		13.3										
FO DRAIN	FO	9.2		9.2										
FO SETTLING	FO	8.6		8.6										
FO EMERG TK	FO	4.0		4.0										
LM TK 1 SB	LM/BR/WB	132.1				132.1				132.1				
LM TK 1 PS	LM/BR/WB	132.1				132.1				132.1				
LM TK 2 SB	LM/BR/WB	132.1				132.1				132.1				
LM TK 2 PS	LM/BR/WB	132.1				132.1				132.1				
LM TK 3 SB	LM/BR/WB	132.0				132.0				132.0				
LM TK 3 PS	LM/BR/WB	132.0				132.0				132.0				
LM TK 4 SB	LM/BR/WB	93.6				93.6				93.6				
LM TK 4 PS	LM/BR/WB	93.6				93.6				93.6				
METH TK SB	METH	83.7									83.7			
METH TK PS	METH	83.7									83.7			
CEM TANK 1 SB	DRY BULK	53.6			53.6									
CEM TANK 1 PS	DRY BULK	53.6			53.6									
CEM TANK 2 SB	DRY BULK	53.6			53.6									
CEM TANK 2 PS	DRY BULK	53.6			53.6									
CEM TANK 3 SB	DRY BULK	53.6			53.6									
CEM TANK 3 PS	DRY BULK	53.6			53.6									
LUBE OIL	LO	13.2										13.2		
LUBE OIL 2	LO	5.0										5.0		
Total Volume [m^3]			139.2	1,013.9	321.6	3,591.8	134.3	391.0	0.0	979.6	167.4	18.2	0.0	0.0
Spec Sheet Total Volume [m^3]			139.2	912.6	321.6	2,612.2	134.3	391.0	0.0	979.6	167.4	18.2	0.0	0.0

*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.

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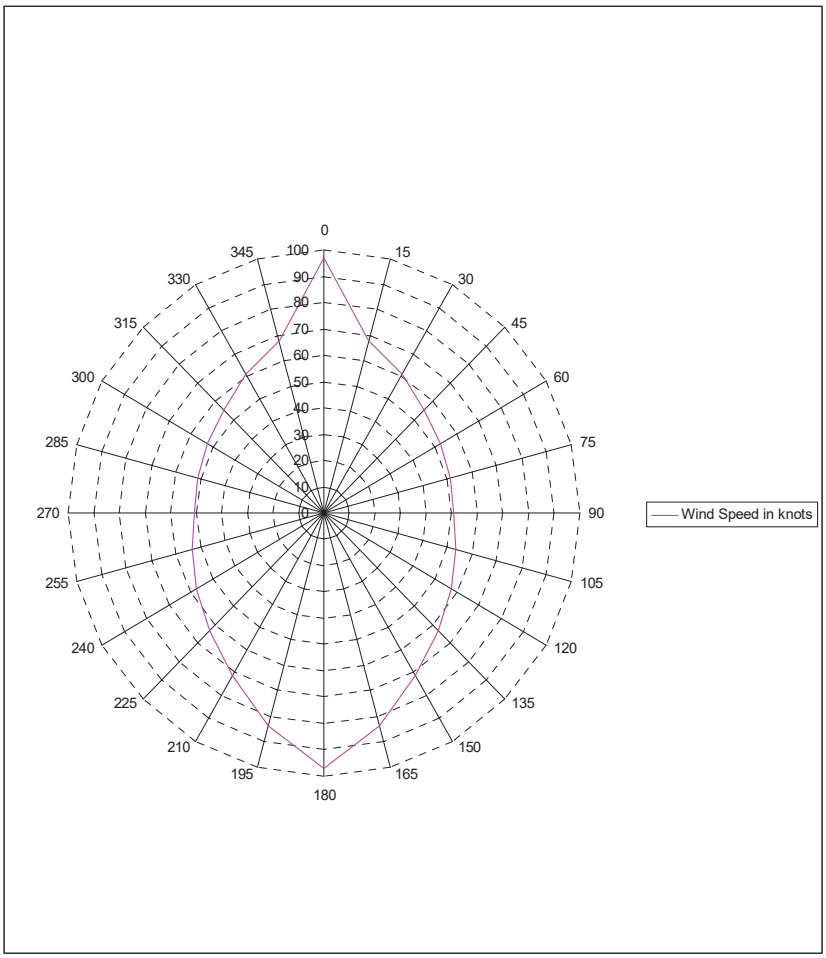
DP Capability Plot

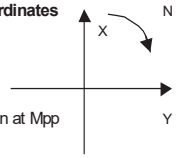
Capability Plot for CG00994_HULL_10005to10008



Wind Angle is stepped from 0 to 360 deg.
Wave Angle is stepped from 0 to 360 deg.
Current Angle is stepped from 0 to 360 deg.

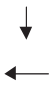
Wind Speed is Set Automatically.
Wave Height is Derived from Wind Speed.
Current Speed is 1.46 knots.

Coordinates



Weather Direction

Wind		0 degrees
Current	at	
Waves		90 degrees



Ship Direction

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