

HIGHLAND PRESTIGE



AKER 09 PSV CLASS

Vessel Characteristics

Length, Overall:	284.1 ft	86.6 m
Beam:	62.3 ft	19 m
Depth:	26.3 ft	8 m
Maximum Draft:	21.7 ft	6.6 m
Light Draft:	9.5 ft	2.9 m
Minimum Height:	85.1 ft	25.9 m
Freeboard:	4.6 ft	1.4 m
Displacement:	7,440 lt	7,560 mt
Deadweight:	4,910 lt	4,990 mt
Clear Deck Space:	205 x 52 ft	63 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, Clean, COMF(V-3), DK(+), DYN-POS(AUTR), EO, HL(2.8), LFL(*), SF	

Capacities

Deck Cargo:	2,700 lt	2,740 t
Fuel Oil:	392,000 gal	1,480 m ³
Potable Water:	89,500 gal	340 m ³
Fresh Water:	198,000 gal	750 m ³
Drill/Ballast Water:	314,000 gal	1,190 m ³
Bulk Tanks (8 tanks):	12,700 ft ³	360 m ³
Liquid Mud (2.8 SG*):	6,560 bbl	1,040 m ³
*Max Structural Specific Gravity		
Methanol:	1,040 bbl	160 m ³
Base Oil:	2,000 bbl	320 m ³
Brine:	4,650 bbl	740 m ³
Fire Fighting Foam:	530 gal	2 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.

LAST UPDATE: 11/20/2023

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Further specifications



Machinery

Diesel Electric Vessel			
Propulsive/Total HP:	5,900 / 10,200		
Z-Drives:	Yes		
Propellers (2):	RRM CPP Azipull 2200kW		
Primary Generators (4):	1,820 kw	690 v	60 hz
Driven by:	CAT 3516B		
Secondary Generators (1):	420 kw	690 v	60 hz
Driven by:	CAT C18 DITA		
Emergency Generators (1):	100 kw	690 v	60 hz
Driven by:	PERKINS 6TG2AM		
Bow Thruster (2):	RRM TT 2200 DPN FP		
Driven by:	880kW Electric Motors		
Total Thrust:	29.5 st	26.8 mt	

Deck Equipment

Anchors (2):	3,540 KG SPEK TYPE
Anchor Chain:	250 m of 48 mm chain per side
Windlass:	ABW 46 K3 ELECTRIC, 15.5T @ 15 m/min
Crane (1):	10 t @ 10 m
Aux. Crane (1):	1 t @ 10 m
Capstans (2):	10 t ABW 1008-10T-CAP-PG1803
Tugger (2):	10 t ABW 4005-TUW-10T-SH4044

Accommodations

No. of Berths:	26
Cabins:	10x1-man & 8x2-man
Certified to Carry:	26
Galley seating:	20
Hospital:	Yes

Registration

Flag: UNITED KINGDOM	Home Port: LONDON	
Hull Number: 151	IMO N ^o : 9364021	
Year Built: 2007	Call Sign: MASA	
Builder:	AKER YARDS AS SØVIKNES	
Tonnage (ITC):	3702 GT	1561 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	23 m³/day (250 gph) @ 15 knots	
Cruising:	9 m³/day (99 gph) @ 10 knots	
Economical:	6.5 m³/day (72 gph) @ 8 knots	
Standby:	1.5 m³/day (17 gph) @ 0 knots	
Range @ 10 Knots:	40,000 nm	
Transfer Rates		
Fuel Oil:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Fresh Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m
Bulk:	26.5 cfm @ 200 ft	45 m³/h @ 61 m
Liquid Mud:	330 gpm @ 800 ft	75 m³/h @ 240 m
Base Oil:	440 gpm @ 300 ft	100 m³/h @ 92 m
Brine:	330 gpm @ 800 ft	75 m³/h @ 240 m
Methanol:	330 gpm @ 300 ft	75 m³/h @ 90 m

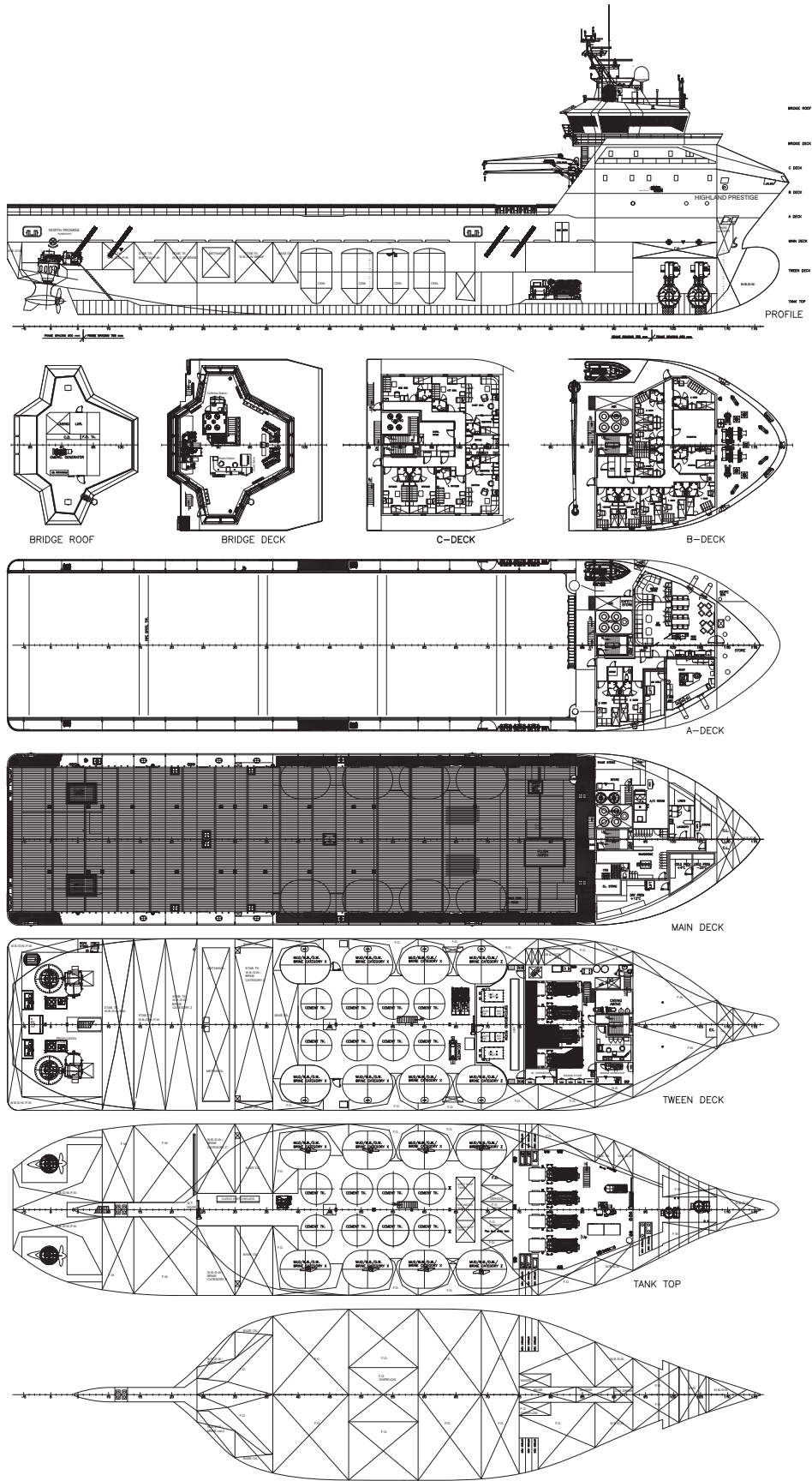
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	5 x VHF; 1 x SSB
Sat Com:	INMARSAT C

Special Equipment

Dynamic Positioning:	DP-2
Ref. Systems:	2 x MRU; 2 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	6 Person SOLAS
Misc:	MSD - 50 PERSONS

*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.
01 FOREPEAK	DW/WB	99.3				99.3								
02 DBW2_PS	DW/WB	51.0				51.0								
43 WT9_PS	DW/WB/BR	68.4				68.4			68.4					
44 WT9_SB	DW/WB/BR	68.4				68.4			68.4					
49 WT12_PS AP	DW/WB/FW	111.4				111.4		111.4						
50 WT12_SB AP	DW/WB/FW	122.3				122.3		122.3						
66 STAB1	DW/WB/BR	311.2				311.2			311.2					
69 STAB2	DW/WB/BR	291.8				291.8			291.8					
70 STAB3	DW/WB/FW	287.9				287.9		287.9						
71 STAB4	DW/WB/FW	197.3				197.3		197.3						
74 DBW2_SB	DW/WB	66.6				66.6								
57 MUD1_PS	LM/DW/WB	130.4				130.4				130.4				
58 MUD1_SB	LM/DW/WB	130.4				130.4				130.4				
59 MUD2_PS	LM/DW/WB	130.4				130.4				130.4				
60 MUD2_SB	LM/DW/WB	130.4				130.4				130.4				
61 MUD3_PS	LM/DW/WB	130.4				130.4				130.4				
62 MUD3_SB	LM/DW/WB	130.4				130.4				130.4				
63 MUD4_PS	LM/DW/WB	130.4				130.4				130.4				
64 MUD4_SB	LM/DW/WB	130.4				130.4				130.4				
24 DBW1_PS	Ship's FW	173.2					173.2							
25 DBW1_SB	Ship's FW	165.5					165.5							
45 WT10_PS	FW	79.3						79.3						
46 WT10_SB	FW	79.5						79.5						
47 WT11_PS	FW	53.1						53.1						
48 WT11_SB	FW	53.1						53.1						
05 DBW3_PS	FO	124.5		124.5										
06 DBW3_SB	FO	144.9		144.9										
13 DBW4_PS	FO	145.4		145.4										
14 DBW4_SB	FO	144.6		144.6										
15 DBW5_PS	FO	134.6		134.6										
16 DBW5_SB	FO	132.5		132.5										
17 DBW6_PS	FO	127.2		127.2										
18 DBW6_SB	FO	127.2		127.2										
19 DBW7_PS	FO	176.0		176.0										
20 DBW7_SB	FO	176.0		176.0										
21 DB8_PS	FO	25.0		25.0										
22 DB8_SB	FO	25.0		25.0										
27 FO_SERV_PS	FO	22.8		22.8										
28 FO_SETTL	FO	22.8		22.8										
29 FO_SERV_SB	FO	23.2		23.2										
67 WT13_PS	METH	82.5									82.5			
68 WT13_SB	METH	82.5									82.5			
41 WT8_PS	BO	94.2	94.2											
42 WT8_SB	BO	94.2	94.2											
65 C7	BO	129.8	129.8											
DRY BULK TK NO.1 PS	DRY BULK	45.0			45.0									
DRY BULK TK NO.1 SB	DRY BULK	45.0			45.0									
DRY BULK TK NO.2 PS	DRY BULK	45.0			45.0									
DRY BULK TK NO.2 SB	DRY BULK	45.0			45.0									
DRY BULK TK NO.3 PS	DRY BULK	45.0			45.0									
DRY BULK TK NO.3 SB	DRY BULK	45.0			45.0									
DRY BULK TK NO.4 PS	DRY BULK	45.0			45.0									
DRY BULK TK NO.4 SB	DRY BULK	45.0			45.0									
12 CLEAN_OIL	LO	6.0										6.0		
53 LUB_OIL	LO	16.3										16.3		
FOAM TANK	FOAM	2.0											2.0	
Total Volume [m ³]			318.2	1,551.7	360.3	2,718.8	338.7	984.0	739.8	1,043.2	164.9	22.3	2.0	0.0
Spec Sheet Total Volume [m ³]			318.2	1,482.9	360.3	1,190.4	338.7	750.2	739.8	1,043.2	164.9	22.3	2.0	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.

