



Vessel Characteristics

Length, Overall:	291.7 ft	88.9 m		
Beam:	62.3 ft	19 m		
Depth:	26.3 ft	8 m		
Maximum Draft:	21.8 ft	6.7 m		
Light Draft:	11 ft	3.4 m		
Minimum Height:	93.5 ft	28.5 m		
Freeboard:	4.6 ft	1.4 m		
Displacement:	7,530 lt	7,650 mt		
Deadweight:	4,460 lt	4,530 mt		
Clear Deck Space:	209 x 53 ft	64 x 16 m		
Clear Deck Area:	10,900 ft ²	1,010 m ²		
Deck Strength FWD:	1,020 lb/ft²	5 t/m ²		
Deck Strength AFT:	2,050 lb/ft² 10			
Class Notations:	DNV: + 1A1, Fire fighter(I), Offshore service vessel, Clean(Design), COMF(C-3, V-3), DK(+),			

DYNPOS(AUTR), E0, HL(2.8), Ice(C), LFL(*),

NAUT(OSV(A)), OILREC, SF

Capacities

Deck Cargo:	2,850 lt	2,900 t
Fuel Oil:	252,000 gal	950 m³
Potable Water:	34,600 gal	130 m ³
Fresh Water:	119,000 gal	450 m ³
Drill/Ballast Water:	579,000 gal	2,190 m ³
Bulk Tanks (5 tanks):	11,300 ft³	320 m ³
Liquid Mud (2.8 SG*): *Max Structural Specific Gravity	5,480 bbl	870 m ³
Methanol:	920 bbl	150 m³
Base Oil:	1,420 bbl	230 m ³
Brine:	2,300 bbl	360 m ³
Fire Fighting Foam:	1,450 gal	5.5 m ³

TIDEWATER

Find out more

Pg.2 Further Specifications Pg.3 General Arrangement

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Pg.4 Capacity Table Pg.5 DP Capability Plot

Further specifications



Machinery

Diesel Electric Vessel						
Propulsive/Total HP:		6,700 / 8,730				
Z-Drives:			Yes			
Propellers (2):	AZP 100RRM AZIPULL, 2500KW					
Primary Generators (4):	1,550 kw	690 v	60 hz			
Driven by:	CAT 3512-0					
Emergency Generators (1):	230 kw	440 v	60 hz			
Driven by:			CAT C9			
Bow Thruster (2):	TT2200 DPN TT CP					
Driven by:	1050KW ELECTRIC MOTORS					
Total Thrust:		35.2 st	31.9 mt			

Deck Equipment

Anchors (2):	3540 KG SPEK
Anchor Chain:	260 m of 46 mm chain per side
Windlass:	10T HG-HAM-GDG-46U3
Crane (1):	2 t @ 13 m
Capstans (2):	10 t ODIM MC E 80/18-36
Tugger (2):	10 t MacGregor HG-HUW-10UR/UL

Accommodations

No. of Berths:	25
Cabins:	13x1-man & 6x2-man
Certified to Carry:	25
Galley seating:	20
Hospital:	Yes

Registration

Flag: NORWAY	Home Port: SKUDENESHAVN
Hull Number: 2016	IMO N ^o : 9656735
Year Built: 2013	Call Sign: LAFB8
Builder:	Zhejiang Shipbuilding Co., Ltd.
Tonnage (ITC):	4003 GT 1533 NT

Performance*

Fuel Consumption Vs Speed						
Maximum:	28.8 m	28.8 m³/day (320 gph) @ 15 knots				
Cruising:	16 m	³ /day (180 gph) @ 12 knots				
Economical:	10.8 m	³ /day (120 gph) @ 10 knots				
Standby:	2.4 m	³ /day (26.4 gph) @ 0 knots				
Range @ 12 Knots:	17,000 nm					
Transfer Rates						
Fuel Oil:	1100 gpm @ 300 ft	250 m³/h @ 92 m				
Fresh Water:	1,100 gpm @ 300 ft 250 m³/h @ 9					
Drill/Ballast Water:	1,100 gpm @ 300 ft	250 m³/h @ 92 m				
Bulk:	37.7 cfm @ 190 ft 64.1 m³/h @ 5					
Liquid Mud:	440 gpm @ 800 ft 100 m³/h @ 240					
Base Oil:	660 gpm @ 300 ft 150 m³/h @ 92					
Brine:	440 gpm @ 800 ft 100 m³/h @ 240 r					
Methanol:	440 gpm @ 230 ft	100 m³/h @ 71 m				

Nav/Comms Equipment

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

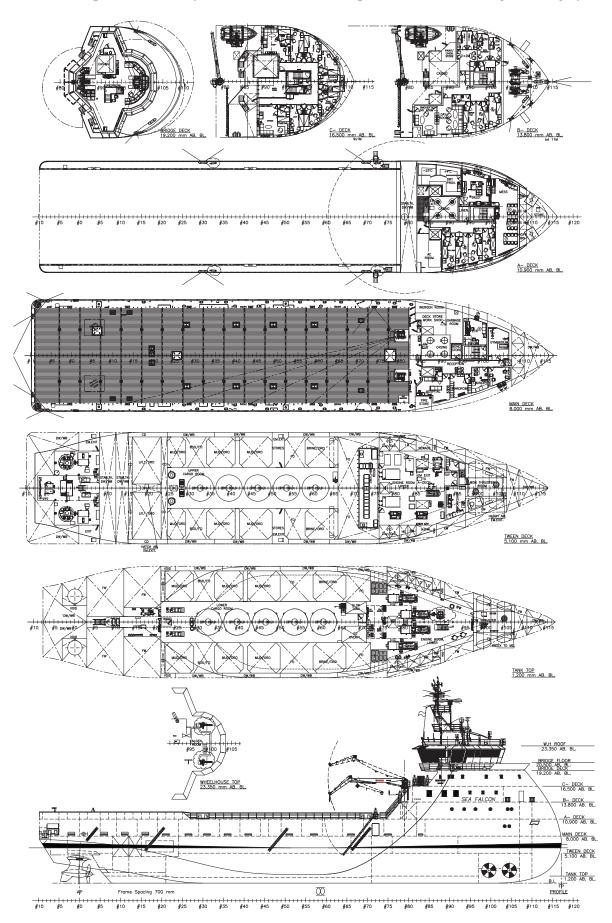
Special Equipment

Firefighting:	FiFi-1
Dynamic Positioning:	DP-2
Ref. Systems:	$3 \times MRU$; $2 \times DGPS$ $2 \times Microwave-based$; $1 \times Laser-based$
Mud Circulation System/ Mud Mixers:	Yes/Yes
Tank Cleaning:	Yes
Rescue Boat:	15-Man Merlin 615 FRC
Gas Detection:	Yes
Misc:	ORO Capacity - 1382.4 m3; MSD; Eye Wash Station

^{*}Approximate values assuming Ideal Conditions

General Arrangement (Current configuration may vary.)





Capacity Table



Tank	Contents	Volume m³	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	117.2				117.2								
WB CENTER TK DB	DW/WB	40.9				40.9								
WB TK 2 DB PS	DW/WB	45.6				45.6								
WB TK 2 DB SB	DW/WB	47.3				47.3								
WB TK 3 DB PS	DW/WB	58.2				58.2								
WB TK 3 DB SB	DW/WB	58.2				58.2								
WB TK 4 DB PS	DW/WB	100.8				100.8								
WB TK 4 DB SB	DW/WB	100.8				100.8								
WB TK 5 DB PS	DW/WB	106.5				106.5								
WB TK 5 DB SB	DW/WB	106.5				106.5								
WB TK 6 DB PS	DW/WB	101.5				101.5								
WB TK 6 DB SB	DW/WB	101.5				101.5								
WB WING TK 3 PS	DW/WB	46.5				46.5								
WB WING TK 3 SB	DW/WB	59.0				59.0								
WB WING TK 4 PS	DW/WB	43.8				43.8								
WB WING TK 4 SB	DW/WB	43.8				43.8								
WB WING TK 5 PS	DW/WB	43.2				43.2								
WB WING TK 5 SB	DW/WB	43.2				43.2								
WB WING TK 6 PS	DW/WB	48.4				48.4								
WB WING TK 6 SB	DW/WB	48.4				48.4								
WB WING TK 7 PS	DW/WB	30.7				30.7								
WB WING TK 7 SB	DW/WB	30.7				30.7								
WB WING TK 10 PS	DW/WB	152.8				152.8								
WB WING TK 10 SB	DW/WB	152.8				152.8								
ROLL RED TK 1	DW/WB	134.5				134.5								
ROLL RED TK 2	DW/WB	177.4				177.4								
ROLL RED TK 3	DW/WB	149.7				149.7								
FW TK 1 C	FW	78.8				143.7		78.8						
FW WING TK 1 PS	Ship's FW	65.4					65.4	70.0						
FW WING TK 1 SB	Ship's FW	65.4					65.4							
FW WING TK 1 SB	FW						65.4	C7 A						
		67.4						67.4						
FW WING TK 2 SB	FW	67.4						67.4						
FW WING TK 8 PS	FW	68.1						68.1						
FW WING TK 8 SB	FW	68.1						68.1						
FW WING TK 9 PS	FW	50.6						50.6						
FW WING TK 9 SB	FW	50.6						50.6						
FO TK 1 PS	FO	199.1		199.1										
FO TK 1 SB	FO	199.1		199.1										
FO TK 2 PS	FO	164.4		164.4										
FO TK 2 SB	FO	164.4		164.4										
FO SETTLING 1	FO	16.2		16.2										
FO SETTLING 2	FO	16.2		16.2										
FO SERVICE TK 1	FO	19.1		19.1										
FO SERVICE TK 2	FO	19.1		19.1										
FO DRAIN TK	FO	6.8		6.8										
FO OVERFLOW	FO	45.4		45.4										
BASE OIL TK PS	FO/BO	112.8	112.8	112.8										
BASE OIL TK SB	FO/BO	112.8	112.8	112.8										
BRINE TK 1 PS	BRI/ORO	182.5							182.5					
BRINE TK 1 SB	BRI/ORO	182.5							182.5					
LFL TK PS	LFL/ORO	73.0									73.0			
LFL TK SB	LFL/ORO	73.0									73.0			
MUD TK 1 PS	LM/ORO	186.8								186.8				
MUD TK 1 SB	LM/ORO	186.8								186.8				
MUD TK 2 PS	LM/ORO	153.6								153.6				
MUD TK 2 SB	LM/ORO	153.6								153.6				
MUD TK 3 PS		95.3												
MUD TK 3 PS MUD TK 3 SB	LM/ORO LM/ORO	95.3								95.3 95.3				
	DRY BULK	95.3 64.1			64.1					90.0				
CEM TK 201														
CEM TK 202	DRY BULK	64.1			64.1									
CEM TK 203	DRY BULK	64.1			64.1									
CEM TK 204	DRY BULK	64.1			64.1									
CEM TK 205	DRY BULK	64.1			64.1							46.5		
LO STORE ME	LO	13.8										13.8		
LO STORE AZI	LO	4.5										4.5		
LO STORE THR	LO	4.9										4.9		
LO STORE SPARE	LO	5.4										5.4		
FOAM TANK	FOAM	5.5											5.5	
	Total V	olume [m³]	225.6	1.075.5	320.4	2,189.9	130.9	451.1	365.0	871.4	146.0	28.6	5.5	0.0
e	Sheet Total Vo			952.6		2,189.9	130.9	451.1	365.0	871.4	146.0	28.6	5.5	0.0
apec	SHEEL LOTAL VO	name [m]	225.0		slightly		130.9	451.1	303.0	0/1.4	140.0	20.0	5.5	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.

DP Capability Plot





DP Capability Plot

DESS - ZJ 2019-2026

Case number
Case description
Thrusters active

Optimum use of all thrustersT1-T4

irusters active

Rudders active

. 11-14

KONGSBERG	DESS - ZJ					
Version Input file reference	: StatCap v. 2.9.0 : Foot 4263.scp					
Last modified	: 2012-02-14 13.41					
Length overall Length between perpendiculars	: 88.8 m : 82.0 m					
Breadth	: 19.0 m					
Draught	6.0 m					
Displacement	: 7500.0 t (Cb = 0.78)					
Longitudinal radius of inertia	: 20.5 m (= 0.25 * Lpp)					
Pos. of origin ahead of Lpp/2 (Xo)	: 0.0 m					
Wind load coefficients	: Calculated (Blendermann)					
Current load coefficients	: Calculated (Strip-theory)					
Wave-drift load coefficients	: Database (Scaled by Breadth/Length)					
Tidal current direction offset	: 0.0 deg					
Wave direction offset	: 0.0 deg					
Wave spectrum type	: JONSWAP (gamma = 3.30)					
Wind spectrum type	NPD					
Current - wave-drift interaction	: OFF					
Load dynamics allowance	: 1.0 * STD of thrust demand					
Additional surge force Additional sway force	: 0.0 tf : 0.0 tf					
Additional yawing moment	: 0.0 tf.m					
Additional force direction	: Fixed					
Density of salt water	: 1026.0 kg/m³					
Density of air	: 1.226 kg/m³ (15 °C)					
Power limitations	: ON					
Thrust loss calculation	: ON					
	f] F-[tf] Max[%] Pe[kW] Rudder					
	2 -13.2 100 880					
2 TUNNEL 28.7 0.0 13.						
3 AZIMUTH -41.0 -4.3 44.						
4 AZIMUTH -41.0 4.3 44.	2 -27.2 100 2500					

