



**Design:** MT 6009  
**Build:** 2007  
**IMO No:** 9382774

# Skandi Commander





# Tank capacities

			Cargo								
			Cement	Mud	Fuel Oil	Fresh water	Base Oil	Brine	Drill Water	Methanol	Glycol
Tank ID	Contents	Capacity (m <sup>3</sup> )	2,400	2,500	0,900	1,000	0,830	2,500	1,000	0,791	1,000
Forepeak TK 1	DW/WB	112,3							112,3		
DB/wing TK 2 Port	FW	95,8				95,8					
CENTER TK 2 Ctr	FW	14,8				14,8					
DB/wing TK 2 Stbd	FW	95,8				95,8					
DB/wing TK 3 Port	DW/WB	73,5							77,8		
DB/wing TK 3 Stbd	DW/WB	46,5							51,2		
DB/wing TK 4 Port	FO	73,9			78,4						
DB/wing TK 4 Stbd	FO	95,8			98,1						
DB/wing TK 5 Port	FO	140,9			127,8						
DB TK 5 Ctr	FO	45,2			40,2						
DB/wing TK 5 Stbd	FO	145,7			132,1						
DB/wing TK 6 Port	FO	132,4			119,1						
DB/CenterTK 6 Ctr	DW/WB	70,9							70,9		
DB/wing TK 6 Stbd	FO	132,4			119,1						
DB/wing TK 7 Port	FO	144,6			130,1						
DB/CenterTK 7 Ctr	DW/WB	65,6							65,6		
DB/wing TK 7 Stbd	FO	144,4			129,9						
DB/wing TK 8 Port	FO	61,1			54,9						
DB/wing TK 8 Stbd	FO	60,9			54,8						
DB/CenterTK 9 C Port	MET/GLY	103,9								82,1	103,9
DB/Cente TK 9 C Stbd	MET/GLY	101,7								82,1	101,7
CENTER TK 10 Port	MUD/GLY/SLOP	107,9		269,7							107,9
CENTER TK 10 Stbd	MUD/GLY/SLOP	107,9		269,7							107,9
CENTER TK 11 Port	MUD/GLY	110,6		276,5							110,6
CENTER TK 11 Stbd	MUD/GLY	110,6		276,5							110,6
CENTER TK 12 Port	MUD/GLY	110,6		276,5							110,6
CENTER TK 12 Stbd	MUD/GLY	110,6		276,5							110,6
CENTER TK 13 PortBRI/DW/WB/MUD/GLY		110,7		276,5				276,5	110,6		110,6
CENTER TK 13 StbdBRI/DW/WB/MUD/GLY		101,7		276,5				276,5	110,6		110,6
CENTER TK 14 PortBRI/DW/WB/MUD/BO/GLY		101,7		254,2			84,4	254,2	101,7		101,7
CENTER TK 14 StbdBRI/DW/WB/MUD/BO/GLY		101,7		254,2			84,4	254,2	101,7		101,7
DB/CenterTK 15 Port	BO					60,2					
DB/CenterTK 15 Stbd	BO					58,7					
DB/wing TK 16 Port	FW	91,8				91,8					
DB/wing TK 16 Stbd	FW	88,3				88,3					
DB/wing TK 17 Port	FW	126,5				126,5					
DB/wing TK 17 Stbd	FW	125,9				125,9					
CEMENT TK 1 Ctr	CEM	64	153,6								
CEMENT TK 2 Ctr	CEM	64	153,6								
CEMENT TK 3 Ctr	CEM	64	153,6								
CEMENT TK 4 Ctr	CEM	64	153,6								
CEMENT TK 5 Ctr	CEM	64	153,6								
CENTER TK 29 Ctr Roll Red.	DW/WB	103,6							109		
<b>TOTAL WEIGHTS</b>			<b>768</b>	<b>2707</b>	<b>1085</b>	<b>639</b>	<b>288</b>	<b>1061</b>	<b>911</b>	<b>164</b>	<b>1288</b>
<b>TOTAL CAPACITY (m<sup>3</sup>)</b>			<b>320</b>	<b>1083</b>	<b>1206</b>	<b>639</b>	<b>347</b>	<b>425</b>	<b>911</b>	<b>208</b>	<b>1288</b>
<b>TOTAL CAPACITY (Cu.ft.)</b>			<b>11301</b>	<b>38245</b>	<b>42589</b>	<b>22566</b>	<b>12254</b>	<b>15008</b>	<b>32171</b>	<b>7345</b>	<b>45485</b>

## Ship service tanks

Contents	Capacity (m <sup>3</sup> )
Bilgewater	12,2
CD/WB	173
Dirty oil	6
Fuel oil service tanks	67
Hot water	12,5
Luboil	28
Sewage	12
Sludge	7

All figures are based on a 100% tank volume

Densities are estimates and actual cargo densities may alters the above carry capacities.

# Technical data

Skandi Commander

## GENERAL

Design	MT 6009
Built by / Year	Fitjar Mek. Verksted, Norway / 2007
Flag	Norwegian (NIS)
Port of Registry	Bergen
Classification	+1A1, SF, LFL*, COMF-V(3), E0, DYNPOS-AUTR, CLEAN, DK(+), HL(2.5)

## MAIN PARTICULARS

LOA	74.30 m
LPP	67.20 m
Breadth, moulded	16.40 m
Depth main deck midship	7.45 m
Max draft midship	6.225 m (freshwater summer)
DWT	3224 t
GT	2613 t
Net Tonnage	872 t

## DECK CAPACITIES

Deck Area	51 m x 13,4 m (683 m <sup>2</sup> )
Deck Cargo	1600 tonnes
Deck Strength	5 t/m <sup>2</sup>
Cargo Rail	4.10 m

## DISCHARGE CAPACITIES

Fuel Oil	1 x 0 - 200 m <sup>3</sup> /hr at 9 bar , screw pump /base oil pump as back up
Portable Water	1 x 0 - 200m <sup>3</sup> /hr at 9 bar, screw pump /drill water pump as back up
Drill/Ballast	1 x 0 -150 m <sup>3</sup> /hr at 9 bar, screw pump /fresh water pump as back up
Dry Bulk	2 compressors, 30 m3/min at 5.6 bar,
Base Oil	1 x 0 -150 m <sup>3</sup> /hr at 9 bar, Fuel oil pump as back up
Mud	2 x 0 -75 m <sup>3</sup> /h at 18 bar, eccentric screw pump, brine pump as backup
Brine	1 x 0 - 75 m <sup>3</sup> /hr at 18 bar, eccentric screw pump, eccentric mud pump as back up
Methanol	2 x 0 -75 m <sup>3</sup> /hr, centrifugal pumps
Loading/disch. Stations	Located midships and aft, 3 connections for each cargo type. Bulk system has 2 independent lines for handling 2 types of bulk cargos simultaneously.
Couplings	Fuel, base oil, methanol and mud has Quick conn. couplings Other cargoes has Veco, 5 " connections.

Tank washing system in mud/brine tanks of type Scanjet. (SC50A)

## DECK MACHINERY

Tugger winch	Twin 10 tonnes tugger winches with overload safety cut offs
Crane	PS, 1 off 3T/10M SB, 1 off 1T/8M
Windlass	2 x 8T, declut cable cable lifters
Anchors	2 x M-type SPEK anchors (3640 kg)
Windlass aft	2 x 8 T

## CONTINGENCY EQUIPMENT

Rescue boat	1 x rigid rescue boat of approved type
Life rafts	Life rafts have capacity to accommodate 200% of crew/passenger on each side

# Technical data

Skandi Commander

## MACHINERY & PROPULSION

Propulsion	Frequency controlled diesel electric propulsion
Main engines	2 x Man diesel A/S, 6L21/31 @ 1200kW 2 x Man diesel A/S, 7L21/31 @ 1420kW
Main Generators	4 x Siemens, each 1270 kVA, 690V, 60 Hz
Emergency Diesel Generator	Volvo Penta D9A MG @239kW
Main Propellers	2 x Aquamaster, contra rotating, frequency controlled, 360-degree azimuthing, each 1470 kW/1999 bhp
Bow Thrusters	2 x 800 kW Kamewa, frequency controlled @800 kW
Joystick	Independent joystick
Maintenance System	TM-Master
Economiser	Heat recovery system.

## NAVIGATION AND COMMUNICATION EQUIPMENT

Radar	FURUNO - 2xx7 and ADD FAR - 2827
Navigator	Furuno Ectis
Weather	
Echo Sounder	Furuno FE-700
Gyrocompass	1 x Simrad GC - 80 dual 1 x Simrad GC - 80 extended
Autopilot	Simrad.Robertson AP9 MK3
Wind speed	Obsermet OMC 139.
Speed Log	Furuno Doppler log DS-80
DP system	Kongsberg Simrad SDP
Equipped to GMDSS Sea Area 3 -	MMSI no. 258 847 000
Radio	FURUNO x 2 + Sailor x 3
Sat Com.	2xInmarsat C FURUNO
EPIRB	Tron 40S + Tron 45 sx
SART	2 x Tron sart
UHF	8 x Motorola GP 340

## PERFORMANCE / CONSUMPTION

Full speed	14,5 kts / 19,2 t
Service speed	12,0 kts / 12,0 t
Economical Speed	10,5 kts / 10,6 t
Stand-by	2,0 t
DP Operation by rig	4,0 t
In port	1,0 t

## ACCOMMODATION

Total Capacity	22
Officer Cabins	6 x 1 bed cabins
Crew Cabins	6 x 1bed cabins
Passenger's	3 x 2 bed cabins 1 x 4 bed cabins
Gymnasium	One fully equipped gymnasium
Lounges	One fully equipped lounge with digital television and DVD