

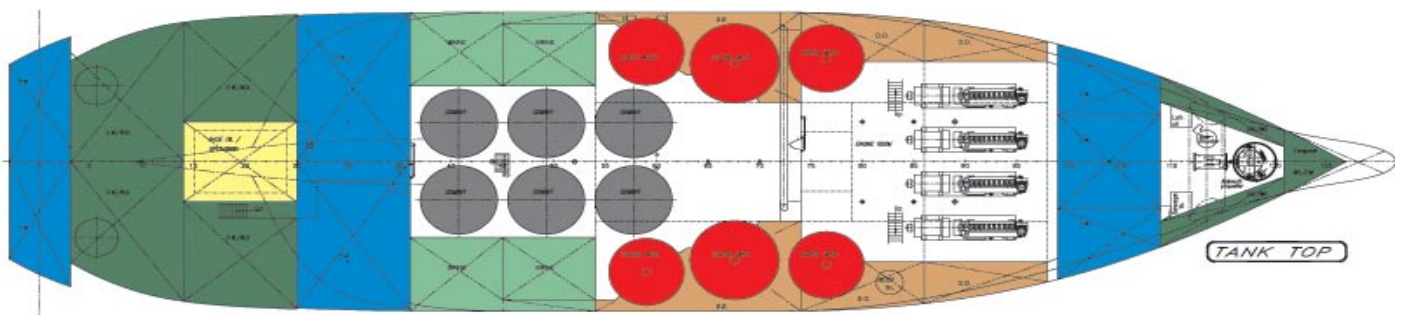
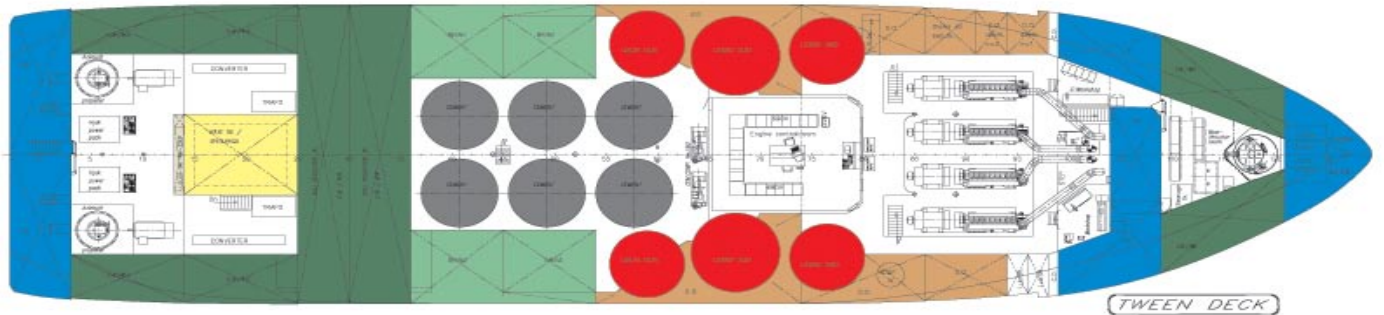
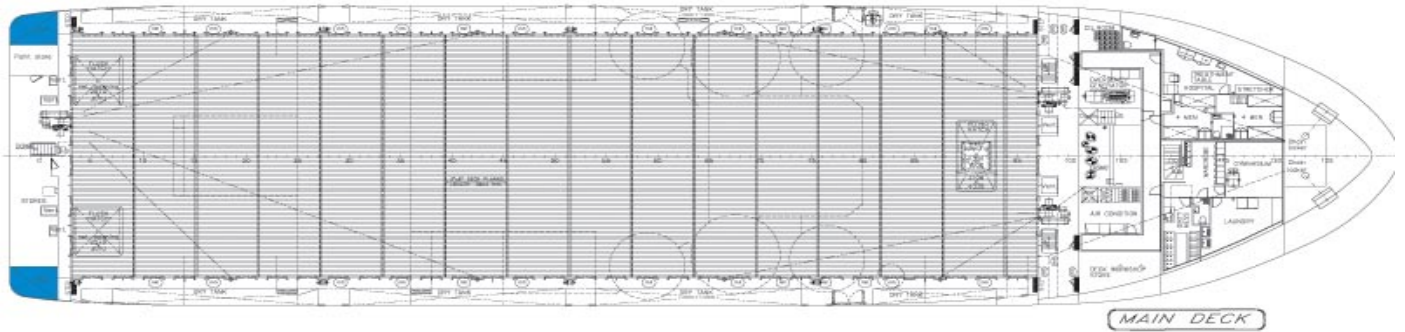
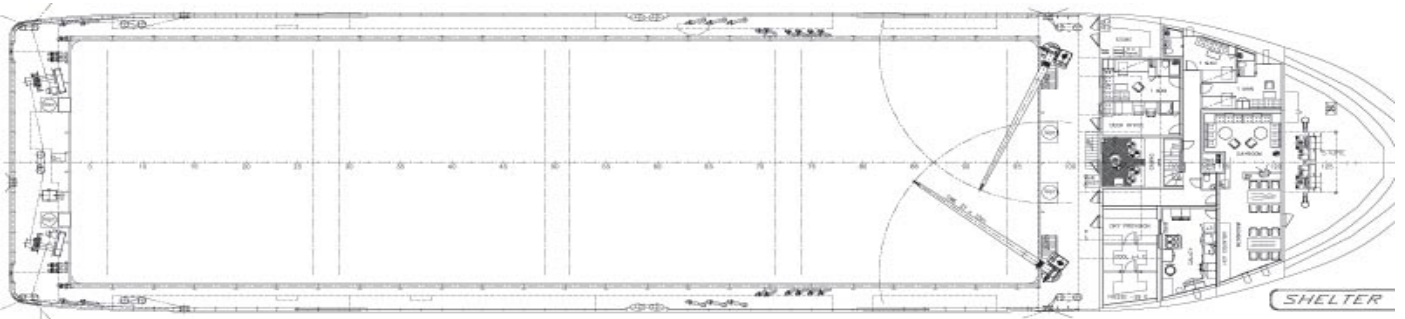
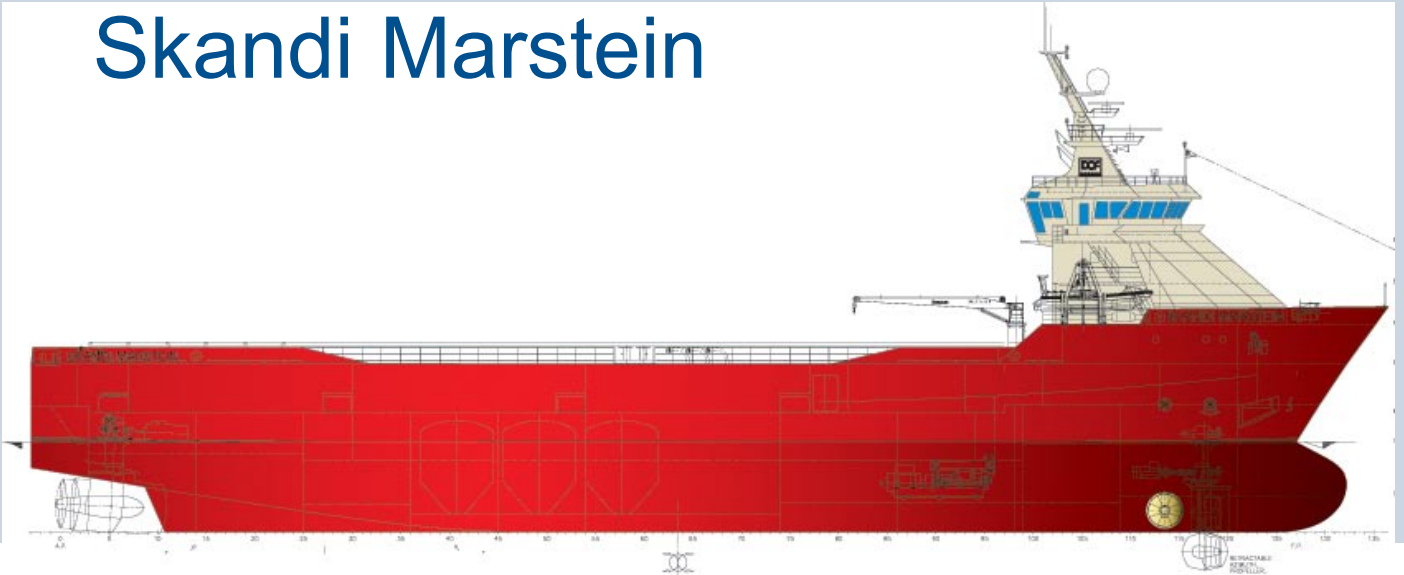


**Design:** MT6000  
**Built:** 1996  
**IMO No:** 9122978

# Skandi Marstein



# Skandi Marstein



# Tank capacities

|                                       |          |                            | Cargo        |              |              |              |             |              |              |
|---------------------------------------|----------|----------------------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|
|                                       |          |                            | Cement       | Mud          | Fuel Oil     | Fresh water  | Base Oil    | Brine        | Drill Water  |
| Tank ID                               | Contents | Capacity (m <sup>3</sup> ) | 2,400        | 2,800        | 0,850        | 1,000        | 0,830       | 2,500        | 1,025        |
| Forepeak Tk 1                         | DW/WB    | 166,3                      |              |              |              |              |             |              | 170,4        |
| DB/wing Tk 2 Port                     | DW/WB    | 101,7                      |              |              |              |              |             |              | 104,2        |
| DB/wing Tk 2 Stbd                     | DW/WB    | 101,7                      |              |              |              |              |             |              | 104,2        |
| DB/wing Tk 3 Port                     | FW       | 129                        |              |              |              | 129          |             |              |              |
| DB Tk 3 Center                        | FW       | 244,2                      |              |              |              | 244,2        |             |              |              |
| DB/wing Tk 3 Stbd                     | FW       | 136,7                      |              |              |              | 136,7        |             |              |              |
| DB/wing Tk 4 Port                     | FO       | 82,1                       |              |              | 69,7         |              |             |              |              |
| DB Tk 4 Center                        | FO       | 159,3                      |              |              | 135,4        |              |             |              |              |
| DB/wing Tk 4 Stbd                     | FO       | 115,7                      |              |              | 98,3         |              |             |              |              |
| DB/wing Tk 5 Port                     | FO       | 129,3                      |              |              | 109,9        |              |             |              |              |
| DB/wing Tk 5 Stbd                     | FO       | 123                        |              |              | 104,5        |              |             |              |              |
| Wing Tk 6 Port                        | FO       | 183,6                      |              |              | 156          |              |             |              |              |
| DB Tk 6 Center                        | FO       | 103,7                      |              |              | 88,1         |              |             |              |              |
| Wing Tk 6 Stbd                        | FO       | 188,9                      |              |              | 160,5        |              |             |              |              |
| DB Tk 7                               | DW/WB    | 108,2                      |              |              |              |              |             |              | 110,9        |
| Wing Tk 8 Port                        | FW       | 212,2                      |              |              |              | 212,2        |             |              |              |
| Wing Tk 8 Stbd                        | FW       | 190,2                      |              |              |              | 190,2        |             |              |              |
| Wing Tk 9 Port                        | DW/WB    | 141,6                      |              |              |              |              |             |              | 145,1        |
| DB Tk 9 Center                        | BO       | 211,4                      |              |              |              |              | 175,4       |              |              |
| Wing Tk 9 Stbd                        | DW/WB    | 133,1                      |              |              |              |              |             |              | 136,4        |
| Tk 10 Port                            | MUD      | 96,3                       |              | 269,6        |              |              |             |              |              |
| Tk 10 Stbd                            | MUD      | 96,3                       |              | 269,6        |              |              |             |              |              |
| Tk 11 Port                            | MUD      | 134,4                      |              | 376,3        |              |              |             |              |              |
| Tk 11 Stbd                            | MUD      | 134,4                      |              | 376,3        |              |              |             |              |              |
| Tk 12 Port                            | MUD      | 96,3                       |              | 269,6        |              |              |             |              |              |
| Tk 12 Stbd                            | MUD      | 96,3                       |              | 269,6        |              |              |             |              |              |
| DB/wing Tk 13 Port                    | BRI      | 162,7                      |              |              |              |              |             | 406,7        |              |
| DB/wing Tk 13 Stbd                    | BRI      | 162,7                      |              |              |              |              |             | 406,7        |              |
| DB/wing Tk 14 Port                    | BRI      | 211,9                      |              |              |              |              |             | 529,7        |              |
| DB/wing Tk 14 Stbd                    | BRI      | 208,3                      |              |              |              |              |             | 520,7        |              |
| Roll Reduction Tk 15                  | DW/WB    | 207,2                      |              |              |              |              |             |              | 212,3        |
| Roll Reduction Tk 16                  | DW/WB    | 172,6                      |              |              |              |              |             |              | 176,9        |
| DB/wing Tk 17 Port                    | DW/WB    | 122,3                      |              |              |              |              |             |              | 125,3        |
| DB/wing Tk 17 Stbd                    | DW/WB    | 122,3                      |              |              |              |              |             |              | 125,3        |
| DB/wing Tk 18 Port                    | FW       | 109,5                      |              |              |              | 109,5        |             |              |              |
| DB/wing Tk 18 Stbd                    | FW       | 113,1                      |              |              |              | 113,1        |             |              |              |
| Roll Reduction Tk 27                  | DW/WB    | 61,2                       |              |              |              |              |             |              | 62,7         |
| CEMENT                                | CEM      | 66,1                       | 158,6        |              |              |              |             |              |              |
| CEMENT                                | CEM      | 66,1                       | 158,6        |              |              |              |             |              |              |
| CEMENT                                | CEM      | 66,1                       | 158,6        |              |              |              |             |              |              |
| CEMENT                                | CEM      | 66,1                       | 158,6        |              |              |              |             |              |              |
| CEMENT                                | CEM      | 66,1                       | 158,6        |              |              |              |             |              |              |
| CEMENT                                | CEM      | 66,1                       | 158,6        |              |              |              |             |              |              |
| <b>TOTAL WEIGHTS (mt)</b>             |          |                            | <b>952</b>   | <b>1831</b>  | <b>922</b>   | <b>1135</b>  | <b>175</b>  | <b>1864</b>  | <b>1474</b>  |
| <b>TOTAL CAPACITY (m<sup>3</sup>)</b> |          |                            | <b>397</b>   | <b>654</b>   | <b>1085</b>  | <b>1135</b>  | <b>211</b>  | <b>746</b>   | <b>1438</b>  |
| <b>TOTAL CAPACITY (Cu.ft.)</b>        |          |                            | <b>14002</b> | <b>23093</b> | <b>38323</b> | <b>40079</b> | <b>7463</b> | <b>26328</b> | <b>50774</b> |

## Ship service tanks

| Contents               | Capacity (m <sup>3</sup> ) |
|------------------------|----------------------------|
| Bilgewater             | 10,4                       |
| Fuel oil service tanks | 48,6                       |
| Luboil                 | 24,0                       |
| Sewage                 | 10,1                       |
| Slop                   | 11,6                       |
| Sludge                 | 10,4                       |

All figures are based on a 100% tank volume

# Technical data

Skandi Marstein

## GENERAL

|                  |                                     |
|------------------|-------------------------------------|
| Design           | MT 6000                             |
| Built by / Year  | Brattvaag Yard / 1996               |
| Flag             | Isle of Man (IOM)                   |
| Port of Registry | Douglas                             |
| Classification   | +1A1 SF E0 DYNPOS-AUT DK(+) HL(2.5) |

## MAIN PARTICULARS

|                 |         |
|-----------------|---------|
| LOA             | 83,70 m |
| LBP             | 76,20 m |
| Breadth Moulded | 19,70 m |
| Depth Main Deck | 7,45 m  |
| Draught         | 6,00 m  |
| DWT             | 4170 t  |
| GRT             | 3171 t  |
| Net Tonnage     | 1551 t  |

## DECK CAPACITIES

|               |                                     |
|---------------|-------------------------------------|
| Deck Area     | 56,4 m x 16 m (902 m <sup>2</sup> ) |
| Deck Strength | 5 t/m <sup>2</sup>                  |
| Deck Cargo    | 3000 t cog - 1,634 o.d              |
| Cargo Rail    | 2.97 m + rail 1,38m                 |

## DISCHARGE CAPACITIES

|                          |               |   |           |
|--------------------------|---------------|---|-----------|
| Fuel Oil                 | 2 x Allweiler | 160 m <sup>3</sup> /h                   | lh: 95 m  |
| Base Oil                 | 1 x Allweiler | 162 m <sup>3</sup> /h                   | lh: 105 m |
| Fresh Water              | 2 x Allweiler | 150 m <sup>3</sup> /h                   | lh: 90 m  |
| Drill Water              | 2 x Allweiler | 150 m <sup>3</sup> /h                   | lh: 90 m  |
| Liquid Mud               | 2 x Allweiler | 70-80 m <sup>3</sup> /h                 | lh: 96 m  |
| Brine                    | 2 x Allweiler | 100 m <sup>3</sup> /h                   | lh: 93 m  |
| Dry Bulk                 | 2 x Tamrod    | compr. cap 30 m <sup>3</sup>            |           |
| Mud Tank Washing Machine | Scanjet       | Tank cleaning SC-100-4, for 6 mud tanks |           |

## DECK MACHINERY

|                 |   |
|-----------------|---|
| Tugger winches  | Aquamaster Rauma Tugger Winch MW 100 E: 3 x 10 t      |
| Mooring winches | Aquamaster Rauma Mooring Winch MW 80 E: 3 x 10 t      |
| Provision crane | Hydralift MCM 1085 SWL 3 t x 10 m arm                 |
| Lashing winches | Hydralift Cargo Securing Winch T5F 23 5A: 8 x SWL 5 t |
| Windlass        | Aquamaster Rauma type AW 44K3E                        |
| Capstans        | N/A   |
| Anchors         | 2 x 3060 kg   |
| Anchor chains   | 495 m / 44 mm / K 3 - Stbd 302m, Port 193m            |
| Mooring lines   | 4 x 110 m / 230 kn                                    |
| Mooring wires   | 2 x 100 m   |

## MACHINERY & PROPULSION

|                             |   |
|-----------------------------|---|
| Main Engines                | Wärtsila 9L20. 4 x 1470 kW v. 900 RPM (BHP 8000)  |
| Emergency/Harbour Generator | MTU type 8v 183 TE32. 430 kVA, 1800 RPM   |
| Main Propellers             | Aquamaster Rauma CRP 25 - 2 x 2200 kW /1200 RPM (Diesel Electric)   |
| Main Propellers Diameter    | Forward – 3,20 m Aft – 2,95 m (Duoprop)   |
| Bow Thrusters               | Tunnel: Kameva Type 2000 H/BMS - FP 736 kW/1200 RPM<br>Input shaft 308 RPM<br>Azimuth: Aquamaster Type UL 1201/4940/ 883 kW/1200RPM |

# Technical data

Skandi Marstein

## NAVIGATION AND COMMUNICATION EQUIPMENT

|                  |   |
|------------------|---|
| Radars           | 2 x Atlas Arpa 9600 3 x 10 cm (x - s band)  |
| Navigator        | Seatex GPS /12 Kanals DGPS  |
| Weather          | 1 x LO-KATKA NAVTEX 2,<br>1 x Furuno Dfax (Fax 207)   |
| Echo Sounder     | Skipper GDS 101   |
| Gyrocompass      | 2 x Sperry MK 37 E  |
| Autopilot        | Built into Simrad ATC./ ADP   |
| Windspeed        | 2 x Lambrecht – 1453 S 2 F 1000   |
| Speed Log        | Sagem LH 92   |
| Radio            | HF-SSB Radio System Skanti TRP 8401 D - MF/HF DSC Controller-Receiver DSC 9000 + Radio Telex  |
| VHF              | 2 x Sailor RT2047D; 2 x Sailor DSC RM2042; 1 x Sailor RT2048  |
| Sat Comm         | 3x Motorola MX 1000, 1 x Sailor RT 2048, 6x Motorola GP 340,<br>3x GMDSS - VHF Sait-RadioHolland Marine, SRH 250<br>1x Inmarsat C, Thrane & Thrane / TT 3020 B - PCU 9000 |
| EPIRB            | 1x Inmarsat Fleet 77, Thrane & Thrane Capsat Fleet 77 / TT 3622 B   |
| SART             | Jotron Electronics, TRON 40 S - 406 MHz Cospas/Sarsat   |
| UHF              | Jotron Electronics, TRON SART - 9 GHz Radar Transponder   |
| Direction Finder | 1x Motorola MC 2100; 5x Motorola GP 900   |
| AIS              | Taiyo TD - L1100 MF Radio Direction Finder; Taiyo TD - L 1520 Automatic VHF Direction Finder<br>Furuno Universal AIS FA – 100   |

## PERFORMANCE / CONSUMPTION

|                     |                                   |
|---------------------|-----------------------------------|
| Full speed          | xx knots - xx m <sup>3</sup> /day |
| Service speed       | xx knots - xx m <sup>3</sup> /day |
| Economical Speed    | xx knots - xx m <sup>3</sup> /day |
| Stand-by            | xx knots - xx m <sup>3</sup> /day |
| DP Operation by rig | xx m <sup>3</sup> /day            |
| In port             | xx m <sup>3</sup> /day            |

## ACCOMMODATION

|                  |   |
|------------------|---|
| Total Capacity   | 21 persons                                    |
| Officer Cabins   | 6 x 1 bed                                     |
| Crew Cabins      | 6 x 1 bed                                     |
| Passenger Cabins | 1 x 1 bed<br>2 x 4 beds                       |
| Hospital         | Fully Furnished Hospital for 1 Person         |
| Lounges          | Fully equipped lounge with digital television |
| Gymnasium        | One fully equipped gymnasium located onboard  |
| Office           |   |
| Conference room  |   |

## CONTINGENCY EQUIPMENT

|                      |  |
|----------------------|--|
| Fast Rescue Craft    | Maritime Partner, MP - 741 SPRINGER, 10 pers |
| Inflatable Lifteraft | 4x DSB LR 86 Jettison Capacity 25 pers. Each |
| Survival Suits       | 21x FCO OBAN MK 90                           |
| Life Jackets         | 25x Seamaster 1983                           |
| Escape Mask          | 6x Unitor Uniscape 15 H                      |
| Heart Starter        | Laerdal, Semi-Automatic Defibrillator FR 2   |