Design: Aker OSCV 06L DSV
Built: 2009
IMO No: 9413822
Call sign: C6XW3

SKANDI ARCTIC
DSV
Skandi Arctic
Technical data

The vessel is designed as a vessel for world wide operations

- Low resistance hull lines designed for speed and low fuel consumption
- Diesel electric, High voltage, propulsion system
- High comfort onboard and good sea keeping performance
- Dynamic position system, DYNPOS-AUTRO (DP III)
- Environmental friendly design, clean design (DNV)
- National oil well crane 400t-15m with wire capacity 2000m
- Helicopter landing platform (Helideck)
- High standard, low noise level accommodation
- 7.2m x 7.2m WORK Moonpool
- 2 x ROV Moonpool & 2 x off ROV moonpool launch- and recovery system ( > HS-6 Sea state)
- Exhaust gas catalyst system (SCR)

General

Design: AKER OSCV 06L DSV
Built by/ No./ Year Søviknes/NB702 /2009
Call Sign C6XW3
MMSI Nr. 311 023 800
IMO Number 9413822
Port of Reg. Nassau

Classification and Regulations

DNV *1A1, E0, DYNPOS-AUTRO (IMO III), SF, DK(+), CRANE, HELDK-SH, ICE-C.
CLEAN DESIGN with NAUT-AW, COMF-V(3)C(3), DSV-SAT

Main Particulars

Length overall 156.9 m
Length between p.p. 137.7 m
Breadth moulded 27.0 m
Depth main deck 12.0 m
Max draught 8.5 m
Air draught (Keel to top of mast) 49.0 m
+ Antenna
DWT (open moonpool) 11 500 T
DWT (close moonpool) 13 000 T
GRT 18 000 T
Net tonnage NA
MoonPools 7.2m x 7.2m WORK Moonpool
2 x Dive Moonpools
Anchor Type 2 x stockless bower anchor, 7800 kg, 2 OFF
Anchor Chain 11 SHOTS P.S, 12 SHOTS S.B.

Tank Capacity

Fuel Oil 3 604.0 m³
Fresh water 1 664.7 m³
Ballast water 8 883.0 m³

Discharge Capacities

2 x Centrifugal Ballast pumps 150 m³/h (Each) abt 10,5 bars
3 x Heeling pumps for Auto heel system 2300 m³/h (Each) for tanks 32,33,34,35
(total capacity of these tanks 1624.8 m³)
2 x Fire pumps 85 m³/h (each) + 1 x emergency fire pump 35 m³/h
Skandi Arctic
Technical data

Deck Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cargo deck area</td>
<td>1,700 m²</td>
</tr>
<tr>
<td>Deck CARGO</td>
<td>5,500 T</td>
</tr>
<tr>
<td>(COG 1.0 ab.main deck)</td>
<td>4,184 m</td>
</tr>
<tr>
<td>Deck strength</td>
<td>10 t/m²</td>
</tr>
<tr>
<td>Windlass/Mooring winch</td>
<td>4 x 20 t</td>
</tr>
<tr>
<td>Tugger Winch</td>
<td>4 x 10t Tugger winches</td>
</tr>
<tr>
<td>Deck cranes</td>
<td>1 x National oil well crane 400t-15m with wire capacity 2000m</td>
</tr>
<tr>
<td></td>
<td>2x Hydraulift 5,0t-14 m with 550 m wire capacity provision crane 5t-15m.</td>
</tr>
</tbody>
</table>

Deck Outlets for Aux. Equipment

Accommodation:

<table>
<thead>
<tr>
<th>Accommodation</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Capacity</td>
<td>140 persons (58 single cabins and 41 double berth cabins)</td>
</tr>
<tr>
<td>Client Cabins</td>
<td>2</td>
</tr>
<tr>
<td>Lounge</td>
<td>5</td>
</tr>
<tr>
<td>Gymnasium</td>
<td>2</td>
</tr>
<tr>
<td>Cinema</td>
<td>1</td>
</tr>
<tr>
<td>Conference room</td>
<td>2</td>
</tr>
<tr>
<td>Helideck reception</td>
<td>1</td>
</tr>
</tbody>
</table>

Machinery & Propulsion

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Engines</td>
<td>6 x Wärtsilä 7L 32</td>
</tr>
<tr>
<td>Main Generators</td>
<td>6 x Siemens Diesel-electric, High voltage, propulsion system</td>
</tr>
<tr>
<td>Thrusters Fwd</td>
<td>2 x tunnel thrusters</td>
</tr>
<tr>
<td></td>
<td>2 x retractable azimuth thrusters</td>
</tr>
<tr>
<td>Thrusters Aft</td>
<td>2 x Azimuth Contra rotating thrusters</td>
</tr>
<tr>
<td>Rudder</td>
<td>2 x 3000 kW 2 (Abt. 4080 BHP)</td>
</tr>
<tr>
<td>Harbour / Emergency</td>
<td>1 x 4000 Kw (Abt.5440 BHP)</td>
</tr>
</tbody>
</table>

Performance

<table>
<thead>
<tr>
<th>Performance</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Speed</td>
<td>18.00 knots (Speed at D = 4.9m Light condition)</td>
</tr>
</tbody>
</table>

Contingency Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life rafts</td>
<td>Viking 6 x 25 persons each side</td>
</tr>
<tr>
<td>Rescue/MOB Boat</td>
<td>Weedo 700</td>
</tr>
<tr>
<td>Rescue boat davit</td>
<td>TTS Marine Cranes</td>
</tr>
<tr>
<td>Safety equipment</td>
<td>For 140 persons</td>
</tr>
<tr>
<td>Lifeboats</td>
<td>4 x 70 persons – Umoe Schat Harding, KISS800C</td>
</tr>
<tr>
<td>Survival suites</td>
<td>For 140 persons</td>
</tr>
</tbody>
</table>

Dynamic Positioning / Automation plant

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic Positioning / Automation plant</td>
<td>K-POS DP-21 &amp; K-POS DP 11 BU</td>
</tr>
<tr>
<td>Reference Systems</td>
<td>2x DGPS, Fanbeam, 2x Light weight taut wire, 2 x HIPAP</td>
</tr>
<tr>
<td>Interface installed for</td>
<td>Høglund</td>
</tr>
<tr>
<td>Integrated Vessel Control System</td>
<td>Siemens</td>
</tr>
<tr>
<td>Power management</td>
<td>Rolls Royce Marine, Helicon X3</td>
</tr>
<tr>
<td>Thruster Control</td>
<td></td>
</tr>
</tbody>
</table>
Skandi Arctic
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ROV Facilities

LAUNCH AND RECOVERY SYSTEM

Winch system
2 off (fitted Port and Stbd) Rapp Hydema A/S Electric Umbilical Winches Model ROVW-22000
Winch Capacity (SWL) 13.0 Te
Umbilical Length 3240m
Power Haul in mode 230kW
Power Heave comp mode 460kW

Performance
Maximum winch speed 56-88 m/min
AHC speed 126-167 m/min

Control System
Frequency Motor Control System
Pentagon HMI
Automatic Level Wind
Winch Modes:
- Haul in/Pay out
- Constant Tension
- Active Heave Compensation (AHC)

Gantry System
2 off (fitted Port and Stbd) Sepro A/S LARS T15 Overhead Rail Systems (ORS)
Gantry Capacity (SWL) 15Te
Power 100kW, 440vac

Control
Gantry mounted operator cabin

2 x Unit Triton XLX Outline work class ROV

Triton XLX is an advanced Work Class ROV system.
- Station keeping ability in current’s up to 3 knots.
- “Top-Hat” Tether Management System.
- Integrated Launch and Recovery A-frame and Winch.
- Weight 4.9 te.
- Dimensions (l x w x h) 3.23mx1.80mx2.00m.
- Thrusters: Vertical 4 x 380mm (vectored@45°); Axial 4x300 mm (vectored at 30°)
- Speed: Forward, lateral and vertical 3 knots; rotational 40° per second.

Diving Facilities

6 chambers for 24 divers
2 bells and moonpools
2 Hyperbaric lifeboats and davits

Helideck

Supplier
Marine Aluminium
Size
21.0 m
Aircraft type
Sicorsky 92
Max Land Load
12.0 t
Classification
NMD-CAA and CAP, DNV helideck
4 positions 70m2, 5t/m2