



Eidesvik



Viking Avant

Your Partner in Shipping



VIKING AVANT

Signal letters LMSZ
 IMO No. 9306914
 Design..... VS 493 PSV
 Built 2004
 Yard Aker Langsten AS Tomrefjord
 Yard no. 197
 Home port Haugesund - Norway
 Owned by..... Eidesvik MPSV AS
 Operated by Eidesvik AS
 Vestvikvegen 1, N-5443 Bømlo Norway
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CLASS NOTATION

DNV-GL ✕ 1A1 ICE-C Standby Vessel OILREC SF LFL*
 CONTAINER COMF-V(3) DEICE-C E0 DYNPOS-AUTR
 CLEAN DK(+) HL(2,5)

RESCUE

NMD rescue 250 persons

OIL RECOVERY

NOFO 2009 STANDARD
 Capacity (Recovered Oil) 3148 m³
 Oil Spill Detection Radar Micos OSD

PRINCIPAL DIMENSIONS

Length LOA..... 92,17 m
 Length LPP 81,70 m
 Breadth moulded..... 20,40 m
 Depth to main deck 9,00 m
 Draught (summer) 7,24 m
 Freeboard (at summer draft) 1,76 m
 Cargo Deck Area..... approx 1010 m²
 Length, clear cargo deck 58,80 m
 Breadth, clear cargo deck 17,60 m
 Cargo Rail height 4,06 m
 Gross tonnage 6545 MT
 Net tonnage 1963 MT
 Dead weight (even keel at summer draft) 5784 MT
 Deck strenght..... 10 MT/ m² (Forw of frame #103)
 5 MT/ m² (Aft of frame #103)
 Deck load capacity 3250 MT with VCG 1 m above deck

CAPACITIES

	m ³	Sp.gr.	MT
Fuel oil	1445	0,870	1257
Potable water	995	1,000	995
Drill water/ballast.....	2206	1,025	2261
Liquid mud	741	2,500	1852
Methanol/Special Products..	166	0,800	133
Special products LFL*	187	1,200	224
Dry bulk	412	2,300	947
Brine	812	2,500	2030
Base Oil.....	263	0,870	228

Separate pumps- & piping system for all types of liquid cargo. Tank washing system with hot and cold water.
 Chemical injection in washing water for Mud, Brine and Special Products tanks.
 N₂ Generator..... Generon HPMB 6150 LF

DISCHARGE RATES

	m ³ /hour	Bar	Type
Fuel Oil	2 x 150	7,6	centrifugal
Fresh Water	2 x 150	9	centrifugal
Drill Water /Ballast	2 x 150	9	centrifugal
Liquid Mud	4 x 125	22,5	screw
Brine	2 x 75	22,5	centrifugal
Base Oil.....	2 x 75	7,6	centrifugal
Methanol.....	2 x 75	7	centrifugal
Special products	2 x 75	10	screw
Bulk Compressor.	2 x 29,5 m ³ /min	with 6 bar	

Loading and discharge stations forward and both sides amidships for all types of liquid cargo and dry bulk.

MACHINERY AND PROPULSION

Selective Catalytic Reduction System (SCR) installed for reduction of NOx emissions.

SPEED:

Vessel speed (max) approx 16,5 knots

MAIN ENGINES:

Make/Type..... Caterpillar 3516 B
 No./Rating..... 4 x 1901 kW

MAIN GENERATORS:

Make/Type..... ABB/ AMG 500 M4
 No./Rating..... 4 x 2280 KVA, 690V, 60 Hz

EMERGENCY GENERATOR:

Engine Make/type Caterpillar C9, 269 kVA
 Generator Make/Rating.... Stamford, 313 KVA, 450V 60 Hz

ELECTRIC DISTRIBUTION SYSTEM:

Make/Type ABB
Switchboards Voltage.....2x690V/2x450V/2x230V

PROPULSION AND THRUSTERS:

Main Propulsion (aft) ABB Azimuths 7215 MP
2 x 3000kW
Diameter 3300 mm
Side Thrusters (forward) Brunvoll FU80 LTC 2000
2 x 1000 kW
Azimuth thruster (forward) Brunvoll AR63 LNC 1650
1 x 880 kW

DECK EQUIPMENT**WINCHES:**

Tugger winches..... 2 x Hydrakraft 15T
Capstans..... 2 x Hydrakraft 10T

DECK CRANES:

Crane 1 x TTS GPK 260-10-10, 10T@10 m
1 x TTS GPK 80-3-12, 3T@12 m

CARGO SECURING:

Deck cargo fastening..... 18 pcs
Fastening positions in deck (pins/rollers/eyes)
Cargo Securing System 6 x 5T winches

CARGO DECK COVERING (DEICE-C)

Folding canvas system with 2 x Hydralift Traction winches

EMERGENCY TOWING ARRANGEMENT:

Emergency towing winch... bollard pull 1 x 65t (Brake 188t)
Wire capacity 1500m Ø54mm

NAVIGATION & COMMUNICATION

Radar 10cm with ARPA..... 1 off
Radar 3cm with ARPA..... 1 off
Voyage Data Recording System (VDR)..... 1 off
AIS System 1 off
Electronic Chart System 1 off
Gyro Compass 3 off
DGPS..... 3 off
Autopilot System (integrated in DP system)..... 1 off
Echo Sounder 1 off
Doppler log System..... 1 off
Wind sensors 2 off
Radio Plants..... According to GMDSS A3
V-Sat..... 1 off

DISTANCE MEASURING

Camera with search light and laser measuring equipment installed in bow

MANOEUVRING, POSITIONING & AUTOMATION SYSTEMS

Dynamic Positioning Kongsberg SDP-22
DP Reference Systems..... 2 x DGPS
Fanbeam
Radius 1000
Manoeuvring system Kongsberg STC
Manual Joystick Kongsberg SDP OT
Ecometer Wärtsilä
Integrated Automation System Høglund Marine

ACCOMMODATION

Dayrooms2 off
Gymnasium.....1 off
Ships office1 off
Hospital.....1 off
Laundry.....1 off

CABINS:

State cabins 1M2 off
Single cabins 1M.....16 off
Double cabins 2M2 off
Total number of sleeping cabins.....20
Total number of beds22

LIFESAVING & RESCUE EQUIPMENT**MOB-BOAT:**

Make.....Norsafe Mako
Dimensions/Capacity 6,75 m LOA x 2,70 m, 10/15 Persons
Engine(s) 1 x 212 HP
Speed26 knots with 3 persons

FAST RESCUE DAUGHTER CRAFT:

Make..... Norsafe Munin 1000
Dimensions/Capacity .10,6 m LOA x 3,50 m, 14+3 Persons
Engine(s) 2 x Steyr 260 HP
Speed30 knots with 3 persons
Recovery Hydrakraft WorkBoat Reception (WBRS)

LIFE RAFTS:

Capacity..... 4 x 20 persons



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