



Eidesvik



Viking Energy

Your Partner in Shipping



VIKING ENERGY

Signal letters LLVY
 IMO No. 9258442
 Design..... VS 4403 PSV LNG
 Built..... 2003
 YardKleven Verft AS, Ulsteinvik, Norway
 Yard no 303
 Home port Haugesund - Norway
 Owned by..... Eidesvik Shipping AS
 Operated by Eidesvik AS
 Vestvikvegen 1, N-5443 Bømlo Norway
 Telephone:..... +47 53 44 80 00
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CLASS NOTATION

DNV-GL ✕ 1A1 Supply Vessel OILREC SF LFL* COMF-V(3) E0 DYNPOS-AUTR CLEAN DK(+) HL(1.2 2.5) GAS FUELLED BATTERY POWER

PRINCIPAL DIMENSIONS

Length LOA..... 94.90 m
 Length LPP..... 84,80 m
 Breadth moulded..... 20.40 m
 Depth to main deck 9.60 m
 Draught (summer)..... 7.90 m
 Freeboard (at summer draft) 1.70 m
 Cargo Deck Area..... approx 1030 m²
 Length, clear cargo deck..... 58,40 m
 Breadth, clear cargo deck 17,60 m
 Cargo Rail height 4,20 m
 Gross tonnage 5073 MT
 Net tonnage 1521 MT
 Dead weight..... 6013 MT
 Deck strength..... 5 MT/m²
 Axle load 20 tons on pneumatic wheels
 Deck load capacity 3700 MT with VCG 1 m above deck

CAPACITIES

	m ³	Sp. gr.	MT
Fuel oil	1292	0,870	1124
LNG	233	0,450	105
Potable water	1127	1,000	1127
Drill water/ballast	2082	1,025	2134
Liquid mud	882	2,500	2205
Methanol/Special Product	207	0,800	165

Special Products LFL*..... 278..... 1,200..... 333
 Dry bulk 464..... 2,300..... 1067
 Brine 835..... 2,500..... 2087
 Base Oil (part of Liq Mud cap.) 221 0,870..... 192
 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 Base oil tanks.
 N2 Generator HMPA 6200

DISCHARGE RATES

	m ³ /hour	Bar	Type
Fuel Oil	2 x 250	10	screw
Fresh Water	2 x 200	10	centrifugal
Drill Water /Ballast	2 x 200	10	centrifugal
Liquid Mud	2 x 125	25	centrifugal
Liquid Mud	2 x 100	24	screw
Brine	2 x 100	25	centrifugal
Base Oil	2 x 100	10	centrifugal
Methanol	4 x 75	10	centrifugal
Special products	2 x 75	12	screw
Bulk Compressor.	2 x 30 m ³ /min	with 6 bar	

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

MACHINERY AND PROPULSION

When operating on LNG the emissions of CO₂, NO_x & SO_x to atmosphere are reduced. Further reductions achieved by use of Battery Hybrid system.

SPEED:

Vessel speed (max) approx 16.3 knots

MAIN ENGINES:

Make/Type..... Wärtsilä 6R32DF
 No./Rating..... 4 x 2010 kW

MAIN GENERATORS:

Make/Type..... ABB/ AMG 630 S10
 No./Rating..... 4 x 2400 kVA / 690V, 60 Hz

AUXILLIARY ENGINE:

Make/Type..... Caterpillar SR4-4-368
 No./Rating..... 1 x 130 kVA / 450V, 60 Hz

BATTERY/ENERGY STORAGE SYSTEM:

Make/Type..... Westcon eSEAMatic ESS / ZEM
 Capacity/Rating..... 653kWh / 1600kVA

EMERGENCY GENERATOR:

Engine Make/type Caterpillar 3304T SR4-368
Generator Make/Rating 131kVA, 450V 60Hz

ELECTRIC DISTRIBUTION SYSTEM:

Make/Type ABB
Switchboard Voltage 2x690V/2x450V/2x230V

PROPULSION AND THRUSTERS:

Main Propulsion (aft) Rolls Royce Azimuths Contaz 25
2 x 3300 kW
Diameter 3100 mm
Side Thrusters (forward) RRM TT 2200 FP SS
2 x 735 kW
Azimuth thruster (forward) ULE 1201 FP
1 x 880 kW

DECK EQUIPMENT

WINCHES:

Tugger winches 2 x Hydrakraft 16T
Capstans 2 x Hydrakraft 10T

DECK CRANES:

Cranes 1 x Hydramarine HMC 1610 LKO 10T@10m

CARGO SECURING:

Deck cargo fastening 20 pcs
Fastening positions in deck (pins/rollers/eyes)
Cargo Securing System 8 x 5T winches

NAVIGATION & COMMUNICATION

Radar 10cm with ARPA 1 off
Radar 3cm with ARPA 1 off
AIS System 1 off
Electronic Chart System 1 off
Gyro Compass 3 off
DGPS 3 off
Autopilot 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

MANOEUVRING, POSITIONING & AUTOMATION SYSTEMS

Dynamic Positioning Kongsberg K-POS DP-22
DP Reference Systems 2 x Seatex DGPS
Fanbeam
Manoeuvring system Kongsberg K-Thrust
Manual Joystick Kongsberg c-Joy MK2 Joystick
Integrated Automation System Kongsberg K-Chief 700

ACCOMMODATION

Dayrooms 2 off
Gymnasium 1 off
Ships office 1 off
Hospital 1 off
Laundry 1 off

CABINS:

State cabins 1M 2 off
Single cabins 1M 10 off
Double cabins 2M 6 off
Total number of sleeping cabins 18
Total number of beds 24

LIFESAVING & RESCUE EQUIPMENT

MOB-BOAT:

Make Norsafe MAKO
Dimensions/Cap 6,75 m LOA x 2,70 m, 10/15 Persons
Engine(s) 1 x 212 HP
Speed 26 knots with 3 persons

LIFE RAFTS:

Capacity 4 x 25 persons



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