



**Eidesvik**



# Viking Queen

*Your Partner in Shipping*



Eidesvik

## VIKING QUEEN

Signal letters ..... LAWA  
 IMO No. .... 9372901  
 Design..... VS 493 PSV LNG  
 Built..... 2008  
 Yard..... Westcon Yard, Ølensvåg, Norway  
 Yard No..... 29  
 Home port ..... Haugesund - Norway  
 Owned by..... Eidesvik Shipping AS  
 Operated by ..... Eidesvik AS  
 Vestvikvegen 1, N-5443 Bømlo Norway  
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### CLASS NOTATION

DNV-GL ✕ 1A1 ICE-C Supply Vessel Fire Fighter II OILREC  
 SF LFL\* COMF-V(3) E0 DYNPOS-AUTR CLEAN DESIGN  
 DK(+) HL(2,8) GAS FUELLED

### RESCUE

NMD Rescue..... 240 persons

### OIL RECOVERY

NOFO ..... 2009 STANDARD  
 Capacity (Recovered Oil) ..... 2543 m<sup>3</sup>  
 Oil Spill Detection Radar ..... Argus (Simrad)

### PRINCIPAL DIMENSIONS

Length LOA ..... 92,20 m  
 Length LPP ..... 84,80 m  
 Breadth moulded..... 21,00 m  
 Depth to main deck ..... 9,60 m  
 Draught (summer) ..... 7,62 m  
 Freeboard (at summer draft) ..... 1,98 m  
 Cargo Deck Area..... approx 1000 m<sup>2</sup>  
 Length, clear cargo deck ..... 58,58 m  
 Breadth, clear cargo deck ..... 17,70 m  
 Cargo Rail height ..... 4,20 m  
 Gross tonnage ..... 6.111 MT  
 Net tonnage ..... 1.834 MT  
 Dead weight (even keel at summer draft) ..... 6200 MT  
 Deck strenght..... 10 MT/m<sup>2</sup>  
 Axle load 23 tons on pneumatic wheels  
 Deck load capacity ..... 3600 MT with VCG 1 m above deck

### CAPACITIES (APPROX.)

	m <sup>3</sup>	Sp. gr.	MT
Fuel oil .....	1001	0,870	871
LNG .....	233	0,450	105
Potable water .....	1035	1,000	1035
Drill water/ballast.....	3512	1,025	3600
Liquid mud .....	1030	2,800	2885
Methanol/Special Prod.....	166	0.800	133
Special Products LFL* .....	412	1,200	494
Dry bulk .....	318	2,300	731
Brine .....	823	2,500	2057
Base Oil.....	213	0,870	185

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 oil tanks.  
 N<sub>2</sub> Generator..... Generon HPMB 6150 LF

### DISCHARGE RATES

	m <sup>3</sup> /hour	Bar	Type
Fuel Oil .....	2 x 250	10	centrifugal
Fresh Water.....	2 x 200	10	centrifugal
Drill Water /Ballast .....	2 x 200	9	centrifugal
Liquid Mud .....	2 x 100	24	screw
Brine .....	2 x 100	25	centrifugal
Base Oil.....	2 x 100	10	centrifugal
Methanol.....	1 x 75	7	centrifugal
Special products .....	4 x 75	10	screw
Bulk Compressor. ....	2 x 29,5 m <sup>3</sup> /min	with 5,6 bar	

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

### MACHINERY AND PROPULSION

When operating on LNG the emissions of CO<sub>2</sub>, NO<sub>x</sub> & SO<sub>x</sub> to atmosphere are reduced. Further reductions achieved by use of Battery Hybrid system.

#### SPEED:

Vessel speed (max) ..... approx 15.3 knots

#### MAIN ENGINES:

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



#### MAIN GENERATORS:

Make/Type ..... Alconza  
No./Rating..... 4 x 1950 kW / 690V, 60 Hz

#### BATTERY/ENERGY STORAGE SYSTEM:

Make/Type ..... ZEM / Nidec  
Capacity/Rating.....652 kWh / 1600kW

#### EMERGENCY GENERATOR:

Engine Make/type ..... Volvo Penta D9, 160 kW  
Generator Make/Rating..... Stamford, 200kVA, 450V 60Hz

#### ELECTRIC DISTRIBUTION SYSTEM:

Make/Type ..... Wartsila LLC  
Switchboard Voltage .....2x2x690V/2x450V/2x230V

#### PROPULSION AND THRUSTERS:

Main Propulsion (aft) .... Rolls Royce Azimuths AZP100FPI  
2 x 2200 kW  
Diameter 2800 mm  
Side Thrusters (forward)..... RRM TT 2200 DP FP  
2 x 1200 kW  
Azimuth thruster (forward)..... ULE 1201 FP  
1 x 880 kW

### DECK EQUIPMENT

#### WINCHES:

Tugger winches.....2 x 15T  
Mooring winches aft .....2 x 15T

#### DECK CRANES:

Cranes .....Hydramarine HMC 1610 LK 10T@10m  
Hydramarine HMC 1077 LK 3T@10m

#### CARGO SECURING:

Deck cargo fastening..... 20 pcs  
Fastening positions in deck (pins/rollers/eyes)  
Cargo Securing System ..... 6 x 5T winches

### 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 (IMO approved paperless) .... 2 off  
Gyro Compass ..... 3 off  
DGPS..... 2 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

#### 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 DPS 200  
Fanbeam  
Radius 1000  
Manoeuvring system..... Kongsberg Maritime  
Manual Joystick .....Kongsberg c-Joy Joystick  
Integrated Automation System ..... Wärtsilä IAS

### 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..... 11 off  
Double cabins 2M .....6 off  
Total number of sleeping cabins.....19  
Total number of beds .....25

### LIFESAVING & RESCUE EQUIPMENT

#### MOB-BOAT:

Make.....Alusafe 770 Twin  
Dimensions/Cap.....8,15 m LOA x 2,70 m, 10 Persons  
Engine(s) ..... 2 x 163 HP  
Speed .....34 knots with 3 persons

#### LIFE RAFTS:

Capacity..... 4 x 25 persons



# Eidesvik

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