

# MV SIEM Louisa



# VS 470 MKII

## General

The vessel is a Platform Supply Vessel designed to carry out regular supply functions and cargo transport for the oil industry as well as Standby functions. The vessel is designed with a well deck for maximum protection for cargo and crew.

Owner	Siem Offshore Rederi AS
Builder	Aker Aukra, Norway
Built	2006
Design	PSV VS 470 MK II
IMO No.	9355977
Call sign	LAIY

## Classification

DNV + 1A1, SF, EO, LFL\*, DYNPOS AUTR, DK(+), FIF1

## Flag

Norwegian

## Certificates

World wide

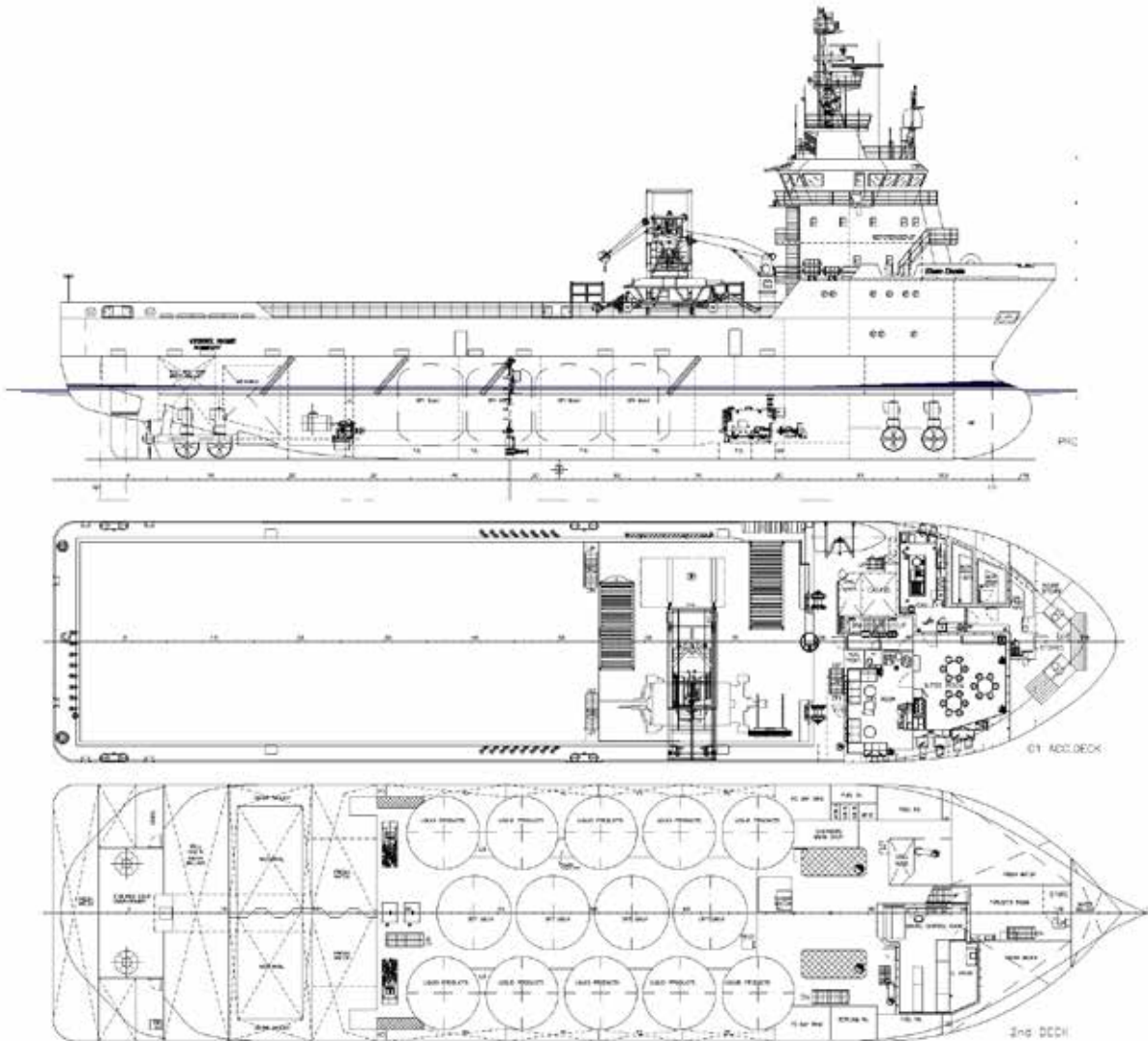
1966 Loadline Conv., SOLAS, MARPOL

## Main dimensions:

LOA	73.40 m
LPP	64.00 m
Breadth	16.60 m
Depth 1st deck	7.60 m
Draught scantling	(max) 6.42 m
Gross tonnage (1969 conv.)	2465 GT
Net tonnage	859 MT

## Trial Speed

Speed	14 knots
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## CARGO CAPACITIES

### General

10 tanks for mud and brine, two combined with base oil. All with tank washing system.

### Capacities

Dead weight at	d=6.42 m 3555 t
Deck cargo capacity	1600 t
Cargo deck area	max 700 m <sup>2</sup> usable 680 m <sup>2</sup>
Cargo Deck Length & Beam	13,8m x 49,8 m
Fuel oil, total	1.070 m <sup>3</sup>
Fresh water, total	752 m <sup>3</sup>
Ballast water/ drill water	745 m <sup>3</sup>
Dry bulk	340 m <sup>3</sup>
Liquid mud	1.070 m <sup>3</sup>
Brine	850 m <sup>3</sup>
Base oil	210 m <sup>3</sup>
Methanol	180 m <sup>3</sup>
Mezzanine deck for ROV(opt.)	210 m <sup>2</sup>

### Liq. cargo discharge pumps

Fresh water	1 x 200 m <sup>3</sup> /h
Ballast-/drillwater and firewash	2 x 150 m <sup>3</sup> /h
Fuel oil	2 x 200 m <sup>3</sup> /h
Liquid mud	2 x 70 m <sup>3</sup> /h
Brine	2 x 70 m <sup>3</sup> /h
Brine oil	2 x 150 m <sup>3</sup> /h

## SHIP EQUIPMENT

### Manoeuvring systems and machinery

Two tunnel thruster fwd. rated	(MRC) 2 x 588 kW
Two tunnel thruster, aft rated	(MRC) 2 x 588 kW
Fully integrated joystick control system	

## DP System

One fully automatic DP system AUTR with redundancy in position reference and thruster control (DP-class 2).

## Navigation & comm. equipment

Radio equipment Navigation equipment acc to

SOLAS 74 as amended GMDSS A3 area

V-sat (voice & data )

Norw. mobil phones

Three gyrocompass

Two wind sensor

Two motion reference unit

Two DGPS systems

One Fanbeam system

HiPap 500

## Anchoring and mooring equipment

Two stockless, anchors, SPEK type

Two anchor windlasses/mooring winches

Two capstans aft

## Deck cranes

One crane 3 t at 12 m

## Roll Reduction

One passive free-surface effect roll reduction tank

## EQUIPMENT FOR CREW

### Lifesaving equipment

Life-saving appliances according to SOLAS and NMD

## Ventilation/A-C for accommodation

A high pressure, single pipe ventilation system with constant air volume and full heating and air conditioning throughout the accommodation

## Sanitary system

Vacuum based sanitary system.

## Accommodation

2 x 1 state cabins with separate bed and bathroom

4 x 1 man cabins with separate bathroom

6 x 2 men cabins with separate bathroom

4 x 4 men cabins with separate bathroom

One mess, one scullery, one dayroom

One office, one lobby, one Hospital

## MACHINERY AND PROPULSION

### Propeller

Two (2) controllable pitch propeller.

Propeller diameter approx.: 2900 mm

Number of blades (each) Four (4)

Speed of propeller approx. 185 RPM

### Main diesel engines

Main diesel eng 2 x Caterpillar 3606

Rating 2 x 2030 BkW at 1000 RPM

All engines running on marine diesel oil.

### Motor aggregates

Two (2) diesel engines 2 x Caterpillar 3406

Rating 2 x 320 kW at 1800 RPM

All engines running on marine diesel oil.

### Shaft generators

Two (2) shaft generators.

Output 1300 kW at 1200 RPM

### Emergency generator

Rating 70 BkW at 1800 RPM

Voltage 3 x 440V, 60Hz

### Central heating boiler

One oil fired, hot water boiler for central heating

Capacity 100 000 kcal/h



**Siem Offshore Inc**

c/o Siem Offshore AS  
Markensgate 8  
4611 Kristiansand  
Norway

**Postal address:**

P.O. Box 425  
N-4664 Kristiansand S, Norway

**Chartering Department:**

**Telephone:**

+ 47 38 14 30 12

**E-mail:**

[chartering@siemoffshore.com](mailto:chartering@siemoffshore.com)

[www.siemoffshore.com](http://www.siemoffshore.com)

