



# SIMON MØKSTER SHIPPING



## M/S "STRIL HERKULES"

Standby / Rescue / Tug/ Service Vessel / Oil Rec.

### OWNERS

Møkster Safety AS  
c/o Simon Møkster Shipping AS  
Skogstøstraen 37  
4029 Stavanger  
Norway

### MANAGER

Simon Møkster Shipping AS  
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Norway

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### Identification

IMO No 9404259  
Call Sign LAJD  
DnV no 27357  
MMSI No 25969000

### SERVICES AVAILABLE

The vessel is equipped for Oilfield support.

- Support and rescue
- Helideck

- Fire-fighting
- Capable of retrieving FRDC/Lifeboats and
- Hyperbaric lifeboats.
- First line oil recovery
- NOFO oil recovery 2005
- Emergency towing
- ROV for emergency operations
- Mud tanks
- Deck Area ~ 300 m – 5 t/m2

### MAIN DETAILS

**Type: VS-482.II**  
Field Support Vessel (FSV)

**Class DnV**  
1A1 Fire fighter(I+, II) Standby vessel Tug Clean(Design)  
COMF(V-3) DYNPOS(AUTR) E0 HELDK(S, H) OILREC SF

### Certificates

World Wide, 1966 Load line Conv, SOLAS, MARPOL.

### Other

Vessel built : 2008, Flekkefjord  
Port of registry : Stavanger  
Flag : Nor



### MAIN DIMENSIONS

L.o.a.	: 97,55 m
L p.p	: 84,85 m
Breadth	: 19,20 m
Depth 1 <sup>st</sup> deck	: 8,00 m
Depth 2 <sup>nd</sup> deck	: 4,80 m
Draft Summer	: 6,5 m
Freeboard summer	: 1,507 m
GT (ITC 69)	: 6251 t
NT (ITC 69)	: 1875 t
DWT	: 2100 t

### TANK CAPACITY

Fuel oil own supply	: 786 m <sup>3</sup>
Fresh water	: 439 m <sup>3</sup>
Hydraulic oil	: 44 m <sup>3</sup>
Lub.oil	: 74 m <sup>3</sup>
Urea	: 42 m <sup>3</sup>
Dispersant.	: 69 m <sup>3</sup>
4 ORO tanks dedicated	: 531 m <sup>3</sup>
4 MUD/ORO tanks	: 500 m <sup>3</sup>
2 ORO/Fuel tanks	: 336 m <sup>3</sup>
Total ORO	: 1366 m <sup>3</sup>
Water ballast	: 2302 m <sup>3</sup>
Roll reduction tanks	: 262 m <sup>3</sup>

### CARGO DISCHARGING PUMPS

ORO pumps: 5 x 0-100 m<sup>3</sup>/h – 8 bar  
MUD/ORO pumps: 1 x 75 m<sup>3</sup>/h – 22 bar  
MUD/ORO pumps: 1 x 100 m<sup>3</sup>/h – 22 bar  
1 x F.O transfer pump 50 m<sup>3</sup>/h – 2,5 bar  
1 x F.W transfer pump 50 m<sup>3</sup>/h – 6 bar

### ENGINE AND PROPULSION

#### Engines

Main Engines  
2 x MAK 9M32 600 rpm each 4500 eKW  
Clutch and brake for immediate stop of the propellers

#### Aux. Engines:

1x CAT 3516C 2350 BKW at 1800 rpm  
2x CAT 3508B 968 BKW at 1800 rpm  
2x CAT C18 TTA 805 hp (601 kW) at 1800 rpm  
SCR catalysator systems with Urea injection on all AE gensets.  
NOx emission before treatment 7,6 g/kWh and Nox emission after SCR and Urea treatment less than 2 g/kWh

Emerg. gen.: 1x CAT C9 DITA 230 eKW 1800 rpm

#### Gears, Propellers & Thrusters

Propulsion system: Scana Volda  
2x ACG 95 / 850 K with PTI booster. 2MW Low Noise  
The vessel has hybrid systems, that can run diesel-electric. Electric motors are 2 x 2 MW. They can also run in boost mode.

#### Thrusters: Brunvoll

1 x Bow thruster 1200 kW  
1 x Azimuth thruster 1800 kW  
2 x Stern thrusters 800 kW

### Speed & Consumption

Speed: 21,5 knots in calm sea  
Speed: 20,0 knots in Hs 2,5 m  
In normal st. by operations 4-7 tons gas oil (MGO)

### DECK MACINERY

#### Deck Machinery: Rolls Royce

Towing winch	: 120 tons
Brake	: 250 tons
2 x Cargo Securing winch	
6 x Lashing winches	
Padeyes and flush lashing points	
Continuous bollard pull	: 110 tons
Wire drum	: 1400 mtr x 64 mm
Spare drum	: 1400 mtr x 64 mm
Tugger winch and Capstan	: 15 tons swl.
Boat recovery winch	: 25 T Brake load 75T
Speed 0-120 m/min in two steps	
Deck crane	: 10T / 16 mtr
CCTV	
Shark jaw	: SWL 300T
Towing pin	: SWL 300T

### SLIP AND RESCUE EQUIPMENT

- Rescue boats: Mare Safety  
1x Mob. Boat GTC 900 VD 30 knots 10 persons  
1x Daughter Craft MS DC12 35 knots 24 persons
- Slip way solution for safe entry of rescue boats and life boats
- 1x Vestdavit davit for FRDC and FRC retrieval
- 1x Rescue basket
- 2x Direction finder
- 1x Henriksen Harpoon (Sea Claw) with penetrating facilities
- 1x Air rescue gun 300m throw
- FIFI I&II 2 x 3600 m<sup>3</sup>/h Throw length 200m Height 110m + Additional FIFI cannon aft 1x 1200 m<sup>3</sup>/h
- Survivor capacity: 370 persons
- 1x Hospital
- Medicines and first-aid equipment acc to OLF requirements.
- 1x personnel lift suitable for stretcher transport
- Emergency response co-ordination center
- 1x Helicopter deck for Super Puma / Sikorsky S-92 D-value 21 m 12,8T
- 1 x Securus search light system

### DYNAMIC POSITIONING SYSTEM

Reference systems: GPS/ Fanbeam/ Hipap/ Radius

### NAVIGATION EQUIPMENT

1x Radar 10 cm Arpa 40 target  
1x Radar 3 cm Arpa 40 target  
1x GPS with 12 channel receiver  
2x DGPS with interface to all rel. navigations  
3x gyro compasses with digital repeaters  
1x doppler log  
1x echo sounder  
1x one ECDIS approved chart system  
1x Voyage data recorder  
1x AIS ( Automatic Identification System )

### ACCOMMODATION

Accommodation for 40 persons

10 single cabins for crew  
8 single cabins for officers  
11 double cabins for spare

1x Messroom  
2 x Dayrooms  
1 x Deck Office  
1 x Hospital  
1 x Gym  
1 x Lobby

The vessel has safety equipment acc. to Solas for 40 persons.

### OIL SPILL EQUIPMENT

ORO capacity 1366 m<sup>3</sup> incl drop down tanks  
Transrec 150 Framo permanently installed, (NOFO property)  
Norlense 400 m oil boom (NOFO property)  
NO-1200-R Skimmer Hi-Wax permanently installed  
Marklean 200 m oil boom  
2 x Spray Booms with dispersant system 60 l/min 3 bar.  
Dispersant storage tank 69 m<sup>3</sup>  
Separate change room for oil recovery operations.  
APTOMAR IR camera

### COMMUNICATION EQUIPMENT

The Radio installation acc. to GMDSS-A3 (WW)  
1x HF / MF Duplex radiostation 250 W  
2x Duplex VHF W/DSC  
2x Simplex VHF  
1x Navtex Receiver  
1x Inmarsat C with EGC receiver  
1x Inmarsat Broadband

1x Fax provided for inmarsat B  
1x Weater facsimile  
1x VHF Directions finder  
3x Portable VHF GMDSS  
3x Fixed UHF with 200 channels  
2x Free float beacon  
2x Radar transponders  
5x Portable VHF  
7x Portable UHF, EEX Proof W EX – Battery  
5x Wireless telephones interfaced to cell phones  
1x GSM mobilephone Voice/Fax/Data  
1x Radiotelex  
1x VSAT

### ROV

1x Sperre Subfighter 7500 Observation ROV  
1x Active heave compensating LARS  
1x Tether Management System with 500 mtr tether  
Dedicated ROV control room

### QSHE – CERTIFICATIONS

ISM  
ISPS  
ISO-9001:2008  
ISO-14001:2004

### QA QUALIFICATIONS

IMCA Member  
FPAL Registered  
Achilles Registered  
Sellihca Registered  
OVID Registered



