

Call for Purchase Proposals No. EMSA/SA/1/2025

Sale of Assets: Oil pollution response equipment

Appendix I.E Description of the Assets located in Frederikshavn, Denmark – Lot 5

Type of equipment	Item	No. of items	First delivery	Description	EMSA ID
1. Lamor LFF400 Skimmer	Brush module	1	23/05/2006	LAMOR LFF400 BRUSH SKIMMER WITH THRUSTERS	0037
	Pump	1	23/05/2006	OIL TRANSFER PDAS PUMP GT A 115	0038
	Hydraulic and Oil hoses	1	23/05/2006	SET OF HYD. AND OIL HOSES ON REEL	0039
	Storage reel	1	23/05/2006	HOSE WINDER	0041
	Remote control	1	23/05/2006	REMOTE CONTROL FOR SKIMMER	0044
	Storage flatrack	1	23/05/2006	20FT FLATRACK	0045
2. Lamor LPP95 Power Pack	Power pack	1	17/09/2018	LPP95 DIESEL HYDRAULIC INSIDE 10FT CONTAINER	2769

Equipment description

1. Lamor LFF 400 Skimmer

Manufacturer:

Lamor Corporation Ab

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06100 Porvoo, Finland

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Email: info@lamor.fi, Website: www.lamor.fi

Year of purchase: 2006

The Lamor Free Floating Offshore Skimmer (LFF 400) is a high-capacity skimmer designed for open ocean oil recovery operations. LFF 400 is fitted with two hydraulic thrusters, allowing the operator to manoeuvre the system. The radio remote control system, included as standard to the skimmer system, can operate the skimmer functions from a distance of up to 200 m. Surface water and oil are drawn into the skimmer by the downward rotation of the oleophilic brush wheels on all four sides of the skimmer head. Oil adheres to the rotating brush wheels and is separated and cleaned from the brushes into a collection sump. Oil collected in the sump is then offloaded by the Lamor GT A pump and transferred via a floating hose. The LFF 400 brush wheels collect all oil types, including diesel, fresh crude, high viscosity bunker oil and emulsions. The skimmer set consists of: brush module with thrusters, integrated oil transfer PDAS pump Lamor GTA 115, hydraulic hose set, hose winder (60 m), radio (Remote Control) box for the skimmer / thrusters and flat rack (20 ft).

1.1. Skimmer brush module

The LFF 400 brush wheels collect all oil types, including diesel, fresh crude, high viscosity bunker oil and emulsions. LFF 400 is fitted with two hydraulic thrusters, allowing the operator to manoeuvre the system.



Brush Skimmer LFF 400 W

Technical Specifications

Length:	2280 mm
Width:	2280 mm
Height:	1955 mm
Weight	750 kg
Capacity:	250 m ³ /h
Hydraulic flow:	40 – 60 l/min
Hydraulic pressure:	100 – 200 bar
Power req.:	10 – 20 kW

1.2. Oil Transfer PDAS Pump Lamor GTA 115

The pump is a multi-purpose submersible Archimedes screw pump with a pumping capacity of 115 m³/h. The skimmer is fitted with one pump.

The pump is constructed from seawater resistant aluminium for the casings and stainless, acid proof steel internals with special seals that ensure the pump remains “dry”. The hydraulically driven, positive displacement pump with low screw speed avoids further emulsification of the recovery product thus making further separation more efficient. The pump can handle solids up to 30 mm in diameter, should the pump become clogged it can be reversed to expel the blockage.

Technical Specifications

Length:	500 mm
Width:	300 mm
Height:	598 mm
Weight:	71 kg
Capacity:	115 m ³ /h
Hydraulic flow:	160 max l/min
Hydraulic pressure:	210 max bar
Power req.:	56 max kW
Discharge pressure:	12 bar



Oil Transfer PDAS Pump Lamor GTA 115

1.3. Hydraulic and Oil Hose Set for LFF 400 W

Components included in one set:

- Hydraulic Hoses: Q/R Tema 10000
- Lay Flat Hose 5" Kamlock
- LFF 400 Hose floats



Hydraulic and Oil Hose Set for LFF 400 W, on a hose winder

1.4. Hose Winder

The hose winder is designed to store hydraulic and oil transfer hoses. The frame is produced in steel protected with marine grade painting. The reels are sea water resistant aluminium. The construction allows the transfer hoses and the hydraulic hoses to be wound and locked separately. The frame is equipped with 4-point lifting points and forklift channels.

Technical Specifications

Length:	900 mm
Diameter:	750 mm
Height:	860 mm
Weight:	34 kg
Capacity:	60 m

1.5. Skimmer Remote Control Box



Skimmer Remote Control

1.6. Flat Rack (20ft)



Flat Rack with the skimmer set

The flatrack is an ISO 20ft standardised open type, tarpaulin covered flat rack type unit to enable easy deployment of the system. It comes equipped with twist lock for transportation, lifting hooks and forklifts channels as standard. There is an anti-slip floor for safety and brackets and shelves for equipment to be safety secured.

Technical Specifications

Length:	6050 mm
Width:	2440 mm
Height:	2590 mm
Weight:	1250 kg

2. Hydraulic Power Pack LPP 95 J, Zone II

Manufacturer:

Lamor Corporation Ab

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Email: info@lamor.fi, Website: www.lamor.fi

Year of purchase: 2018

The Lamor Power pack LPP 95 J Zone II is a diesel engine driven hydraulic unit suitable for operation in hazardous area Zone II. The power pack was purchased in 2018 for operating the Lamor LFF400 skimmer described above.

A Flame protection system is fitted to the diesel engine in such a way that the outside temperature of diesel engine and even the exhaust system and other hotspots of diesel engine never exceeds beyond the conditions which are guilty for above mentioned protection group.

Several safety devices are fitted on the Power Pack and diesel engine and will do stop the Power Pack and the diesel engine in case of dangerous situations or mechanical failures.

The fuel tank is designed to contain fuel for a long time of use and also designed that it is possible to mount the Diesel engine and hydraulic system of Power Pack in an as small as possible frame.

This Power Pack is designed to use on open hydraulic systems only. The hydraulic pump is a variable displacement hydraulic pump of axial piston swashplate design, for open circuit hydraulic systems.

Lamor Power Pack Type LPP 95J EX Zone II was designed according 2014/34/EU ATEX directive. The LPP 95J EX ATEX-code is II 3 G Ex h IIA T3 EPL Gc.

The power pack is installed in a **10 ft container** designed to be used for stowing and running Lamor Oil Spill equipment. The container is ISO 668:2013 compliant and has dedicated fittings for Lamor LPP 95 J, EX Zone II Power Pack. It also has an Earthing Point, one at blank side and second for internal connections. the 10 ft Container is designed to be used in hazardous area Zone II as described in 2014/34/EU ATEX directive.

Technical Specifications

Length:	1500 mm
Width:	2050 mm
Height:	1750 mm
Weight:	1800 kg (dry weight) / 2300 kg (incl. hydraulic oil and fuel)
Power:	95 Kw at 2200 rpm
Hydraulic flow;	200 l/min
Hydraulic pressure:	230 bar
Fuel tank capacity:	210 l
Hydraulic oil tank capacity:	260 l
Lubricant tank capacity:	14 litres
Coolant tank capacity	22 litres



Hydraulic Power Pack LPP 95 J