

LAMOR NEAR-SHORE OIL POLLUTION RESPONSE WORKING BOAT - LSLC 7400 C



GENERAL DESCRIPTION

The LSLC 7400 vessel system is an aluminium work boat specially made for recovery, transport, and discharge of oil and use in shallow draft water. The vessel is easily manoeuvrable, and with its custom made trailer it can be deployed and transported quickly and effectively. The vessel is also equipped with a specially designed side collector, this rare combination of a custom designed vessel with integrated side collector, works extremely well together, and in addition to this, the design of the vessel is aimed at good stability by locating heavy weights low and by keeping the cockpit and other recesses on deck relatively small.



MAIN COMPONENTS:

- 1 x LSLC 7400 vessel
- 1 x Deck crane
- 1 x Lamor Side Collector system LSC 2 W/900
- 4 x Oil storage containers
- 1 x Clamshell bucket
- 1 x Trailer, customized

TECHNICAL SPECIFICATIONS

Shallow Draft Landing Craft, LSLC 7400 C

Length over all (LOA)	7,5 m
Beam	2,55 m
Draft maximum	0,65 m
Lightweight	4300 kg
Maximum load including fuel	2278 kg
Bollard pull	2,0 metric tons
Engine power	2 x 127kW (4-stroke inboard Mercury Diesel 2.0 Bravo)

On-board equipment

Deck crane Fassi M15AFM/12	385Kg lifting capacity at normal reach, 3.95m reach)
Side collector LSC 2 W/900	10m ³ /h oil recovery capacity
Transport / Storage oil containers	open top aluminium tanks with 350l capacity
Clamshell Bucket FCB 35 L	35l capacity, for removing ice, plant roots, tree limbs, logs, other oily trash



KEY CHARACTERISTICS AND OPERATIONS

- High cargo capacity and bollard pull compared to the size of the boat.
- Certified for two persons crew and two passengers.
- Cargo area and bow ramp in the forward part of the boat.
- Heated wheelhouse with navigation equipment and seats for two persons.
- Engine room with twin sterndrives and two powerful diesel engines for redundancy and better manoeuvring, safety and efficiency.
- Optimized hull shape and center of gravity for good stability.
- Hydraulically operated, 1,5 tm crane, that can handle the equipment and a clamshell bucket.
- Built in hydraulic system providing power to deck equipment.
- Wheelhouse and mast can be tilted to gain lower transportation dimensions.
- Built according to Finnish Eurofins Guidelines for Commercial Craft version 2016.2 and EU Recreational Craft Directive 2013/53/EU, annex I.A.

OPERATIONS

The LSLC 7400 is a robust oil spill response boat registered for a total of 4 persons. Due to the low draft the boat is suitable for shallow waters (min 0.8m). The boat comes with a trailer for ease of handling, but the boats hull shape also allows it to easily be transported closer to a spill site by truck on a standard road transport platform and launched into the water by a crane. The height of the boat can also be reduced by tipping down the mast and the cabin.

Oil recovery is conducted using with a side collector equipped with jib arm and sweep boom allowing for a 3m sweep width. The boat also comes with a clamshell bucket primarily for recovering of solid oily waste. The recovery capacity of the onboard skimming system is 10m³/h with a storage capacity of 4 x 350 litres. The recovered oil / waste is loaded into bags that can be offloaded using the boats deck crane alternatively, the oil can be discharged to other storages using the rotary lobe pump that is part of the skimming system.

The dual sterndrive propulsion gives the boat 2 tonnes bollard pull making it suitable for boom towing. Using the deck crane installation of anchors for permanent booming is made possible.

STORAGE AND TRANSPORT

- The working boat is delivered with a customised trailer for easy handling (not for use on public roads)
- The boat can be stored on the dedicated trailer or directly on the ground (flat surface).
- System can be stored in -30°C to + 40°C.