

**Addendum
Special Application Bulletin
“Oil Spill Recovery”**

The Scavenger 2000 can produce up to a 20,000 gallon per minute water flow through the vessel's ducted system while implementing the patented and proven Oxy-Plus water decontamination process which injects 150,000 liters of oxygen in to the water at an hourly rate.

The benefits of the Scavenger 2000 can be coupled with an oil skimmer device to produce the most efficient and comprehensive mobile water decontamination vessel currently available. The vessel can travel to desired location on its own power and then develop a water flow of up to 20,000gpm across the desired oil skimmer device and then further purify the water by using the Oxy-Plus water decontamination system.

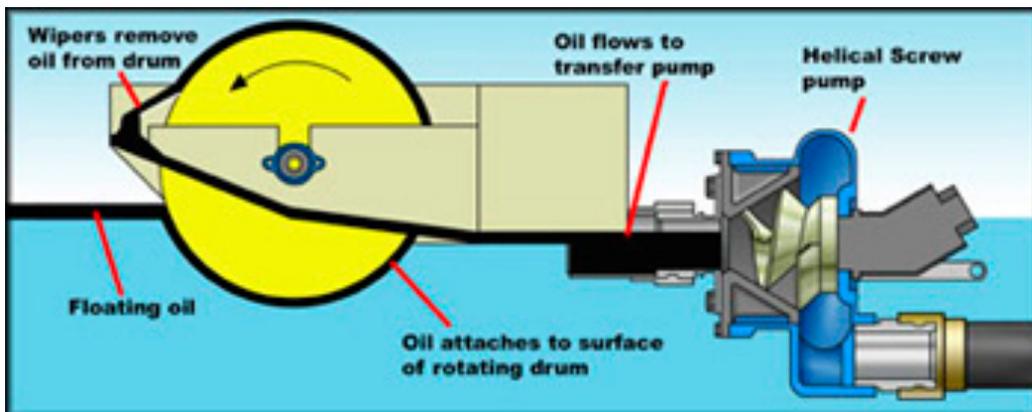
As an example, a typical oil skimmer that sits static has a recovery rate of approximately 50gpm. One or several units can be combined and installed on the vessel. The vessel can then develop the water flow of up to 20,000gpm and can easily accommodate the net combined recovery rate of the oil skimmer units (e.g. in one hour using a single unit $50 \times 60 = 3000$ gal of oil can be captured. This figure can be multiplied by the number of units installed). The skimmed water is then further treated by the Oxy-Plus system before exiting the vessel.

In addition to the oil skimming ability, the vessel also provides the ability to separate out large particulate or floating debris that would also have been contaminated. This debris is held a large trash bin on-board the vessel. Once the capacity of the on-board bunker tanks and trash bin has been reached, the vessel returns to shore or to a mother barge to be emptied. In the event of an open large body of water where it is desired to quickly maximize flow, the on-board tanks will fill to capacity very rapidly; in this case it would be desirable to directly pump straight to a mother barge. Another benefit to the vessel is the shallow draft which it will enable cleanup in-land and on the coast line. After the need for oil spill recovery is finished, the oil skimmer device can then be removed and the Scavenger 2000 can be utilized for normal water management tasks including bulk trash clean-up and decontamination of polluted water (Please see Scavenger 2000 specification sheet for full details

As the floating drum disks rotate, oil adheres to the drum surface separating it from the water. Oil is wiped from the drum surface and drained into the collection trough. In a full size skimmer the oil would be pumped or sucked out to a remote containment location.

These drum skimmers float on the surface, sealed flotation makes it unsinkable. The drums are motor driven (by air or hydraulics) and turn slowly attracting the oil to its surface and rotating around to the wiper blade which scrapes the floating oil off and it runs into the sump area, where it is picked up by pump suction and transferred to storage.

These drum skimmers are the most efficient and the most selective floating skimmers available anywhere, due to the large surface area that is exposed to the floating oil. Easy to install and operate. Drum skimmers need only 3" of water to float in. Great for heavy industrial or spill work and is the tool of choice for several spill contractors and facility owners since it is so fast and does not give you much water to deal with. Readily skims light or heavy floating oils, even works in ice — any weather





The trash recovery system is removed and this oil recovery system is inserted inside the Scavenger2000.

The water can still be decontaminated, and the ozone and oxygen can still oxydize the oil sheen left after oil recovery.