

WHAT MAKES SUPARATOR DIFFERENT



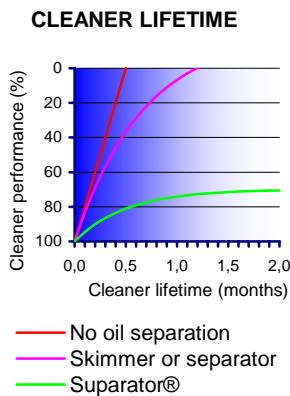
Oil separation is **not about oil!** It is about the medium you need to separate oil from; your process water, machine coolant, aqueous cleaners etc.. You need to get these cleaned from oil; you must control the oil concentration.

This is the nasty stuff; it carries dirt that can easily redeposit everywhere in your installation and it breaks up and mixes with water easily because of the entrained water and chemicals.

Due to the way they work, all oil skimmers and oil separators leave behind a specific portion of the oil. They rely on the build up of an oil layer.. What they take out is the nice, clean oil at the top; what they leave behind is **the nasty stuff.**



OIL CONTROL



Due to increasing oil and dirt levels, cleaner performance drops dramatically, making it necessary to dump the bath. Using skimmers or separators helps, but the nasty stuff; oil mixed with dirt and water, stays behind.

SUPARATOR gets all the oil out, with the dirt, and eliminates the oil problem!

Oil separation is simple; just let gravity do its work and the oil will come to the surface. All oil separators work! Some better than others, but they all take oil out of the aqueous medium. But none of them **get the nasty stuff out!**

Oil in your aqueous medium is not clean. There are dirt and dust and fines in it. This makes the oil heavier and causes an interface layer -- oil entraining dirt and water -- between the aqueous phase and the nicer oil phase on top.

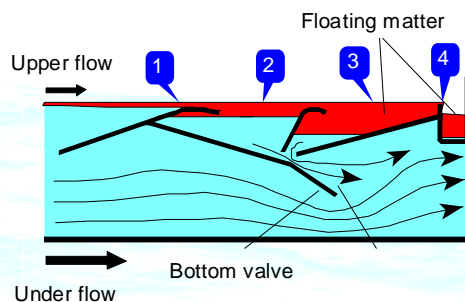
What you may expect from an oil/water separator is that it **gets the oil out** of your precious machine coolant your aqueous cleaner, your process water. SUPARATOR does exactly that.

The oil concentration in the fluid is crucial. If you control the oil concentration and can keep it sufficiently low, the oil problem is solved. That means oil separation must start at very low concentrations, the separation must respond quickly, and the oil, with all associated and entrained dirt, must be removed from the process.

That is what the 4-step thin film technology that SUPARATOR incorporates does for you. It keeps the oil concentration lower than any other oil separator or skimmer and **it gets the nasty stuff out.**

SUPARATOR

1. First the upper fraction of the flow is separated from the rest, carrying along any trace of oil.
2. Next all oil traces are collected and accumulated while water is drained through the bottom section.
3. Oil is concentrated in a small area; remaining water and surfactants are displaced from the concentrate.
4. Finally pure oil is separated



SUPARATOR has been specified by not less than **three** major automotive companies on their new, large projects:

- Ford Lion and 6R engine plants
- Daimler-Chrysler W5A-580 Mercedes engine plant.
- General Motors Vortex Engine plant