

TIGG OIL-WATER SEPARATORS

There are many situations where a waste stream contains free oil and sediment, as well as organics that need to be removed in order to meet discharge requirements.

Although activated carbon and other media can remove free oil the cost is generally prohibitive. Therefore, it is economical to use an oil-water separator, which can generally remove oil to a level of 10-15 ppm, depending on the internals, which are selected. If it is necessary to remove dissolved oil and other hydrocarbons, the oil-water separator can be followed by activated carbon or a combination of an oil absorbing media and activated carbon.

TIGG Corporation can provide above ground oil-water separators, on a rental or purchase basis, that have the following features:

- High efficiency for removing free oil and sediment
- Manual or automatic control of flow
- Manual or automatic provision for removal of separated oil and sediment
- Ease of cleaning
- Coalescing media for enhanced removal of minute oil droplets to produce an effluent of 10 ppm or less
- Corrosion resistant materials of construction

The separators can be provided in sizes from 5 – 5000 gpm.



CAUTION:

Emulsified oils, either chemically or mechanically emulsified, will not separate in a gravity separator. Therefore, either gravity or a positive displacement pump should be used to introduce the water into the oil-water separator. Alternately, cleaning chemicals or quick release detergents can be used to release the emulsion.

