



## Oil Filtration

While oil is primarily used to lubricate and cool moving parts of an engine it also carries out another very important function: that of transferring any harmful abrasive particles to the sump. These particles must be removed before the oil can circulate around the lubrication system again. An efficient way of removing these particles, preventing unnecessary wear or damage, is to pass the oil through a filter before it reaches any of the critical moving parts.

## Oil Cartridges



Sterling Filtration Ltd offers a range of stocked oil filter cartridges from a number of leading suppliers including Donaldson, Fleetguard, Mann & Hummel, Hi Fi, Mahle, Coopers and Crosland, which cover a huge range of off and on highway applications.



## Oil Canisters



Sterling Filtration Ltd offers a wide range of stocked filter canisters (often referred to as spin-ons) from a range of suppliers including Donaldson, Fleetguard, Mann & Hummel, Hi Fi, Coopers and Crosland, which cover a huge range of off and on highway applications. Oil canisters are usually full flow and some have a by pass but they can be combination filters. Oil canisters typically filter at 15-20 microns nominal and bypass typically 5 microns.

Whatever your oil filtration requirement is please give us a call for help identifying and sourcing your replacement filter elements and canisters.

## Bypass Oil Filtration



Bypass oil filtration takes a portion of the oil (around 10%) from every complete circuit cycle, through a loop system, and filters it to a fine level. In theory over many cycles the entire system oil goes through the bypass. This allows fine, gradual filtration of oil without increasing the pressure in the line. By pass filters also remove water from the oil helping to prevent engine wear and corrosion. This allows the primary oil filter to work normally and will significantly extend its life.