ENGINES

ENGINE OIL FILTRATION

Filtakleen's By-pass filtration system to an engine offers:

- Reduced maintenance costs
- Improved engine performance
- Extended engine life

When an engine is properly maintained, it can deliver high performance and long life. Filtakleen's filtration system helps in maintaining the oil quality and cleanliness, ensuring the engine runs smoothly.

FREE PROVEN FACTS

- When oil is changed on an engine, it is important to do so at the correct intervals to ensure optimal performance and longevity of the engine.
- Filtakleen's By-pass filtration system reduces wear and tear on the engine by filtering out impurities and contaminants from the oil.
- Regular engine maintenance, including oil changes, helps in extending the life of the engine.

When you choose Filtakleen for your filtration needs, you're making an investment in the longevity of your engine. Contact us today to learn more about our By-pass filtration systems and how we can help keep your engine running its best.
The Filtakleen Oil Purification System Offers
Continuous Preventative Maintenance & Significant Cost Savings
- FINE PARTICLE REMOVAL DOWN TO 1 MICRON
- 100% WATER REMOVAL FROM OIL

MAJOR LONG TERM BENEFITS
- Save Money - Greatly increase the life of your oil & filters
- Save Time - Change only the Filtakleen element
- Reduce Waste - Less used oil or filters needing disposal

Running your system with clean oil will:
- Prevents System Wear - Removes Sandpaper effect of fine particles and corrosion caused by presence of water
- Enhance Performance - prevents fine tolerance valves from sticking
- Improved Reliability - less component wear reduces risk of system failure

System Features
Hydraulic oil even when new will have a certain level of particle contamination, and is typically graded at ISO 17/15/14. When oil is added to a system further contamination can occur. Whilst under operating conditions, air and moisture, as well as particles from seals and hoses, can add to the contamination and degradation of the oil. Fitting a Filtakleen filter will not only reverse this process but it will clean your oil so thoroughly it will be cleaner than when it was new!

How it works
The filter is installed in the circuit after the pump. It is connected into the system by hoses and mounted remotely at a convenient location. The filter works by taking a percentage of the oil and slowly percolating it through a dense filter medium. The flow rate of 4-6 l/min will not affect system performance as it is taking only a percentage (typically 10-12%) of the total flow. This low flow rate means that filtration is much finer than that achieved from in-line filters is possible.

Manifold
A Manifold is fitted to the bottom of the filter. This acts as a pressure reducer with a relief valve and maintains a consistent flow so as to ensure optimum filter efficiency.

Maintenance
Changing the element is a quick and easy job. Incorporating a ball valve into the inlet side of the circuit, means the filter can be isolated. The retaining bolt is unscrewed the lid taken off, the old filter removed and replaced with the new one. A simple no-mess job that takes a couple of minutes.

Recommended filter change frequency is 500 hours or quarterly. For filters installed on a system with oil initial changes should be more frequent. (Contact Interlube for further information)

Simply turn the ball valve to off, unscrew the lid bolt and remove the element.

As good as an oil change

Other Oils
The Filtakleen filtration is suitable for use with a wide range of oils such as gear oils plus other mediums such as diestatic fluid and bio diesel.

Test results showing the improvement in oil cleanliness achieved, resulting in oil cleaner than new

This illustration shows the improvement in oil achieved by removing water content

All filters come with a range of fittings for installation. Interlube offer a supply and fit service for all their filter products. However for customers who wish to install themselves, each filter comes with a range of fittings.

MX200 Mobile Cleaning Station
Mobile low pressure filter system used to remove particles and water contamination from hydraulic systems with the ability to move from one machine to another. Can also transfer, without filtration, large 6 small quantities of used oil from hydraulic system reservoirs to storage for disposal.

Can be used for
- Periodic clean ups
- flushing
- Pre-filtering new oil
- Filling tanks and machines

100% WATER REMOVAL - STOP ACIDITY
By its ability to remove all water content Filtakleen reduces dramatically the normal acid build-up in the oil so avoiding the corrosion and chemical degradation of all the seals and hoses as well as preventing unnecessary pump wear and cavitation through inert annulations.

ULTRA FINE DEBRIS REMOVAL - 1 MICRON
Once installed Filtakleen’s filtering efficiency removes all damaging wear particles normally missed by the main filter, this removal of the ultra fine debris at source immediately reduces the risk of malfunctioning control valves as well as dramatically reducing the erosion of the hoses and seals caused by these fine particles. In addition Filtakleen takes away the risk of sitting of the suction filters which can cause pump damage through cavitation. Standard machine filters will only offer filtration of particles of between 10-25 microns. Much of today’s machinery work with tolerances of as fine as 4-5 microns. Therefore removal of particles of this size is critical to system performance. The unique design of the Filtakleen filter means that removal of particles down to 1 Micron is achieved. Additives are not removed as these are sub micron size. By fitting Filtakleen, you are creating Major Long term benefits in both component life and circuit operation.