

OilReLife System

is a process developed and sell by AVKEM® to be able to revitalize Hydraulic, Lubricant, and Diathermic Oils by acting directly in the oil circuits of the machines without changing the used oil, allowing them to be used for further life cycles.

This is made possible through the joint use:

- a compact and wheeled **filtration system**

- Oil Regenerators type additives formulated by AVKEM®



Objectives

The objectives to be pursued are:

- give the oil further life cycles, whose number is defined by the hours of motion of the machines, from the quality of the original oil and by the filtering system used (once for the lubricating oils, up to 3/4 for the hydraulic oil, twice for the diathermic)
- generate significant economic savings, on average between 40% and 65%, in function of cost of the oil normally purchased.

The objectives are verifiable by chemicals analysis of oils before and during treatment.

Filtering Unit

It is a wheeled unit that works directly under the machine, simple and effective, suitable for any operator.

It's composed by:

- Black powder coated trolley
- opaque or to the client's liking
- gear pump powered by 220v 60Hz
- 2.2kw complete with overpressur
- 10" or 20" stainless steel filter holder
- Cartridges with 10 μ , 5 μ and if required from 3 μ sintered
- Magnetic filter
- Bypass system on the suction filters for sludge impossible to reuse, consisting of 1 3-way valve and a manual valve
- Digital litre-counter in Litres and Gallons
- N° 3, 3/4" stainless steel 316 camlock quick couplings
- Electrical panel with timer, safety devices and Motor saver
- Suction rod

Flow rates

- With filters from 10" 12-14 L/min
- With filters from 20" 19-20 L/min

The system is sold with:

- CE certificate of conformity
- Operative manual
- Training course online, or by our operators during delivery for distances not exceeding 200 km.

Oil Regenerators

They are mixtures of additives in high concentration and patented compounds, capable of revitalizing used oils. The peculiar characteristics of the AVKEM® additives are the high concentration of components, the low

dosage of use, the high yield and competitiveness on the market. The products have been tested using specifications control procedures that have made it possible to evaluate their performance and achievement of the objectives set.

The products, formulated and made by third parties by AVKEM are:

- Hydraulic Oil Regenerator
- Diathermic Oil Regenerator
- Engine Oil Regenerator

Product technical and safety data sheets are sent upon request.

Packaging

Depending on the quantity of oil contained in the machine circuits, the products can be supplied in packs of 1L, 5L, 20L, 200L, 1,000L.

Dosages

Between 1% and 2%, depending on the type of oil present in the circuit, of its state of wear, the quality of the oil you want to obtain according to the required performances.

Recomandations

Always change the filter on the machine, add the additive only after filtration.

For the use, consult the SDS of the product in advance, avoid direct contact and always use the safety devices provided.

Below is a treatment with an old cart.

Cleaning filters

To clean the filters, the best solution is to use an ultrasonic basin of suitable size. Alternatively, it is recommended to use a concentrated solvent liquid to be diluted in water usually in the proportion of 1 to 10. If the system is not used continuously it is recommended to clean the filters at the end of each filtration.

