

LUBKLEAN

LUBKLEAN ELECTROSTATIC OIL PURIFIER AND
LUBKLEAN LOW VACUUM DEHYDRATION MACHINES



LUBKLEAN ELECTROSTATIC OIL PURIFIER
EOP-50



LUBKLEAN LOW VACUUM DEHYDRATION
LVDH-50

Benefits by use of LUBKLEAN EOP MACHINE and LOW VACUUM DEHYDRATION



CONTAMINATION TESTING KIT

- Improves product quality.
- Removes smaller particles (ie. Carbon, sludge, dust, oxidation) upto 0.8 micron and even better online/offline operation.
- Gains oil life.
- No clogging or pressure drop.
- Reduces down time.
- Improves life of hydraulic and lubrication oils.
- Improves life of your machine tool hydraulic system.
- Removes oxidation products and retards the oxidation process.
- Requires no supervision during operation.
- Keeps oil cleaner than when it comes from refinery.



THE PROBLEM : CONTAMINATION / OXIDATION

As your machine runs, process called oxidation starts forming tar, sludge, carbon etc. Tar and sludge are sticky substance that sticks to component surface causing additional wear to your machine components. The product of oil oxidation coats hydraulic servo, proportional valves forcing the friction in these valves to increase oxidation, as change in friction is highly sensitive causes high effect to close tolerance components which leads to-

- Increase downtime
- Constant valve adjustment
- Reduce machine performance
- Slow startup



Oxidation in oil reservoir

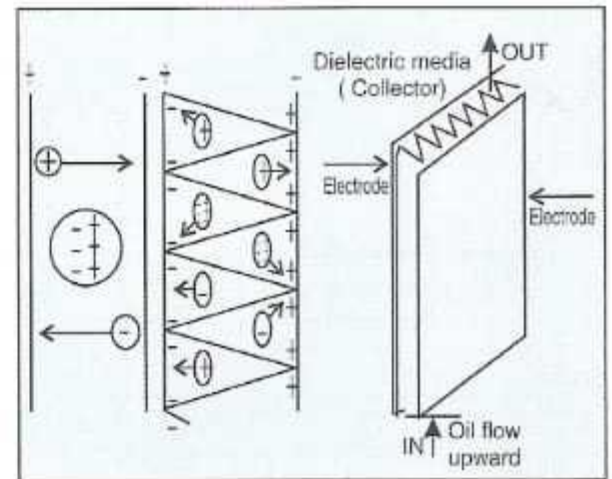
THE SOLUTION : LUBKLEAN ELECTROSTATIC OIL PURIFIER

LUBKLEAN ELECTROSTATIC OIL PURIFIER units have unique ability to draw contaminants of all sizes out of oil, trapping them on surface of collectors, these remove all insoluble contaminants i.e. Carbon, dust, tar, oxidation matter, metallic/ non-metallic rust etc.

LUBKLEAN EOP operates on electrostatic principle when oil is made to flow through electric field which is generated on stainless steel electrodes, these electrodes are covered with Di-Electric media (collectors). The unique design permits to take advantage of the natural charge that each moving contaminant has. Contaminants that have positive charge get deposited on negative plate, while those with inherent negative charge are drawn towards the positive plate. Neutral contaminants are drawn and deposited by gradient force to the edge of collectors where the intensity of the deform electric field is strongest.

The collector is housed in oil cleaning chamber. Each collector is made of disposable cellulose fiber and is pleated to hold the greatest quantity of contaminants. Collectors can hold as much as 4.5 kgs. Before change is required and will furnish 2000 hours of use depending upon the actual contaminants of oil.

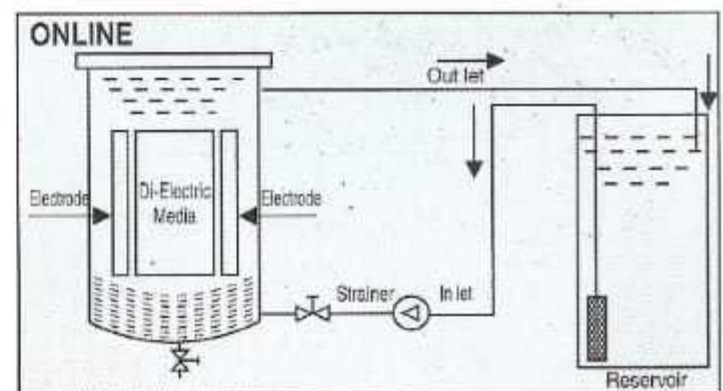
LUBKLEAN Electrostatic oil purifier cannot and do not remove oil soluble additives.
The purity achieved by use of LUBKLEAN is from 0.8 microns and even better.



ONLINE OPERATION : LUBKLEAN ELECTROSTATIC OIL PURIFIER (EOP)

LUBKLEAN machines are directly installed on your machine tool.

Hydraulic system purification takes place when your machine is in normal operation. These system ensures you not only oil in reservoir of your machine tool is purified also oil running in entire system is purified.



LUBKLEAN ELECTROSTATIC OIL PURIFIER (EOP) SERIES....



These particular LUBKLEAN models has flexible modular design which allows to be field modified when mounting into your system. LUBKLEAN can perform online as well as offline equipment being totally automatic LUBKLEAN operates without supervision.

LUBKLEAN EOP machines also available in combined series in higher capacities ie. EOP-200, EOP-300 etc.

STANDARD LUBKLEAN EOP SPECIFICATION.....

UNIT TYPE	DIMENSIONS L X W X H (mm)	WEIGHT (KGS)	PUMP FLOW Ltrs./Min	OIL SUPERCLEANED PER DAY	POWER SUPPLY	POWER CONSUMPTION	MOISTURE BELOW	VG UPTO
EOP-100	900 X 615 X 920	200	10-12	300 - 350 Ltrs.*	415/230/110v, 3Ø, 50Hz	500 W	500 PPM	200 CST
EOP-50	835 X 480 X 915	110	10-12	150 - 175 Ltrs.*	415/230/110v, 3Ø, 50Hz	500 W	500 PPM	200 CST
EOP-25	515 X 420 X 850	70	3-4	60 - 75 Ltrs.*	415/230/110v, 3Ø, 50Hz	300 W	500 PPM	200 CST
EOP-10	515 X 350 X 650	60	1-2	30 - 40 Ltrs.*	415/230/110v, 3Ø, 50Hz	300 W	500 PPM	200 CST

* Oil supercleaned per day depends on actual contamination present in oil

THE ACTUAL TEST REPORT

Actual membrane test report before & after supercleaning of oil with LUBKLEAN EOP Machine.



