

PTK1 Oil Analysis Patch Test Kit



A valuable tool for visually analyzing contamination levels and contaminate types in hydraulic and lubrication systems in the field when you need results now.

Applications

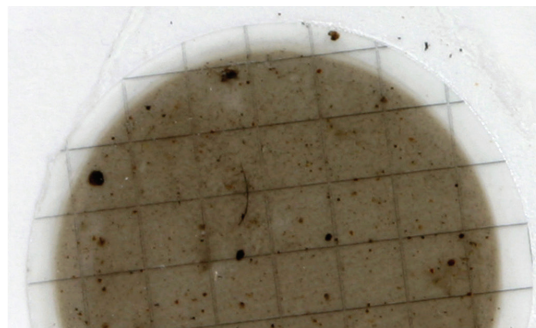
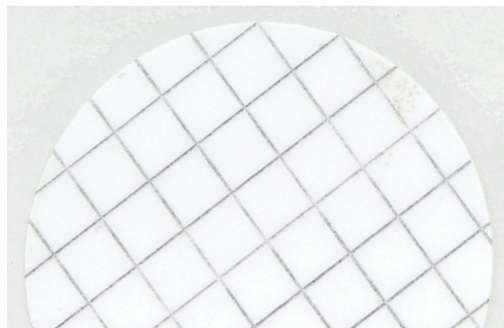
Monitoring fluid cleanliness in hydraulic and lubrication systems is a common practice. When the pressure is on waiting weeks for bottle samples from an independent lab might not be an option. Oil analysis practices vary from lab to lab and once the sample is shipped off you no longer have control of the sample or how it is processed.

See The Difference, Control The Process

With PTK-1 oil cleanliness can be visually analyzed in the field without waiting for lab results and losing control of the analyzing process. The PTK-1 kit provides the opportunity to see the type, concentration, and actual size of particulate contamination inside the system. The kit includes reference photos so that the patch sample can be correlated to an approximate ISO Fluid Cleanliness Code. When used in conjunction with the PM-1 on-line particle counting equipment exact fluid cleanliness and visual analysis are at your fingertips. When you need results now the PTK-1 is great alternative to off-site oil analysis laboratories.

Complete PTK-1 Kit Includes

- Complete PTK-1 Kit Includes
- 100x magnification field microscope
- 1.2m filter test patches
- Funnel assembly with ml fill line for accuracy
- Vacuum pump to extract fluid samples from the system and process 25ml sample through filter patch
- Sample bottles
- Forceps for filter patch handling
- Solvent dispenser with dispensing filters
- Instruction manual
- Visual correlation chart to determine approximate ISO Cleanliness Code of patch test kit sample
- Visual correlation chart to determine type of particles captured on the patch
- Patch mounting cards and adhesive covers to protect samples from ambient contamination and to preserve samples for future reference


HY-PRO

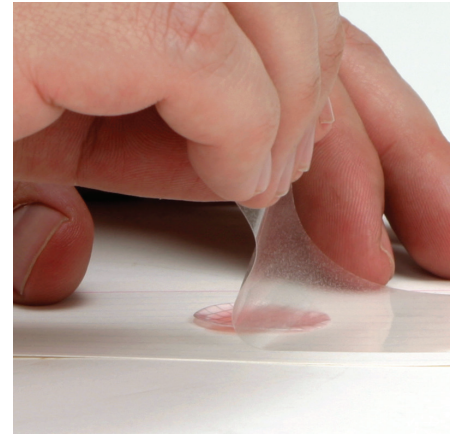
FILTRATION



Draw the sample fluid through the patch by pulling on the vacuum pump handle. Confirm that the waste bottle and funnel-patch assembly are sealed.



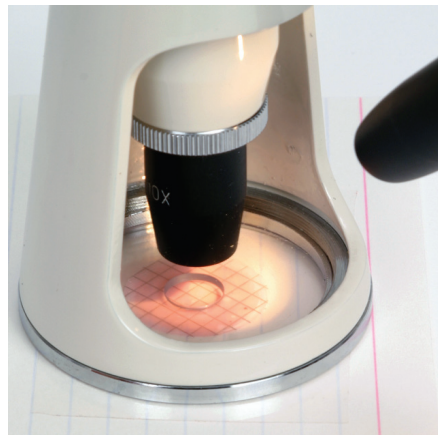
Once the entire sample has passed through the patch rinse the funnel with filtered solvent and draw through the patch. Then separate the funnel from the patch supporter and remove the patch with forceps.



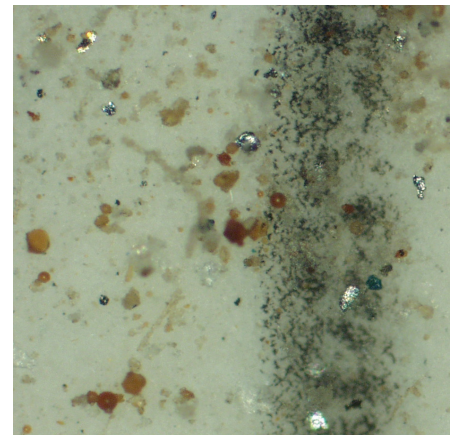
Place the sample (ink/dirty side up) on a clean index card and cover it immediately with a plastic laminate patch cover.



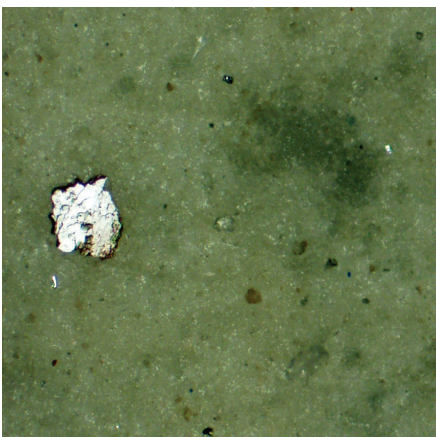
Analyze the sample with the 100x magnification field microscope. For best results it might be necessary to hold the light source closer to the sample



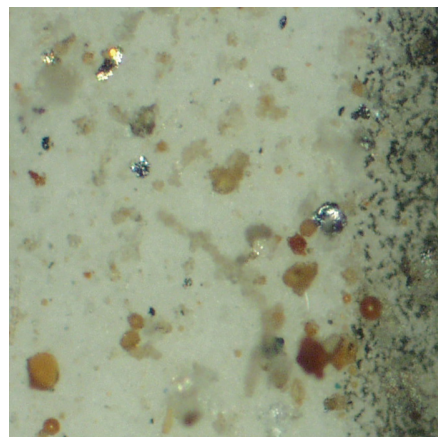
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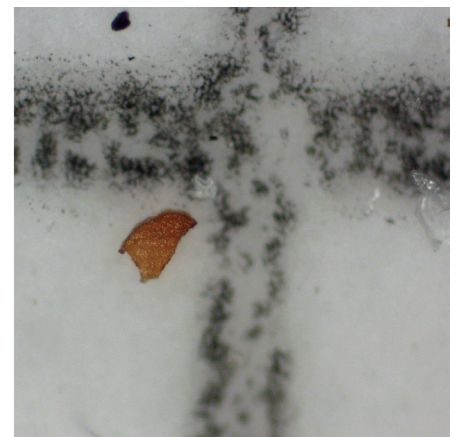
Use the reference manual photos to make approximate ISO code correlation and identify contaminant types.



Bright metal particle typically from internal contaminant generation.



Combination bright metal, silica, rust, gel and fiber materials.



Rust or gel