



Oil Analysis Kits

Bottle Sample Oil Analysis

ISO4406:1999 particle count (4/6/14)

Spectroscopy, FTIR, Wear Metals

AN (acid number) mg KOH/g

Water Content by KF (ppm)

Hy-Pro qualified objective lab results

Prepaid tests in 10 pack cartons

Benefits of Fluid Monitoring

Fluid conditioning monitoring is critical for making proper condition based contamination solution recommendations. With a complete snapshot of the fluid condition from oil analysis Hy-Pro can help diagnose any problems caused by contamination or fluid degradation and craft a solution to yield optimum system reliability and yield maximum useful fluid life.

When used in a routine sampling program the OA1 oil analysis kit results provide all the information needed to trend changes in fluid condition and identify types of contamination to catch component or fluid problems before they result in unplanned downtime or premature fluid replacement.

Sampling Procedure Requirements

- Sample must be representative of the system
- Sample should be taken during system operation
- Fluid should be at operating temperature
- Sampling method must not introduce contamination
- Only use sampling bottles pre-cleaned per ISO3722

Obtaining Representative Sample

For oil analysis data to be most effective the sample must be acquired properly so that it is representative of the fluid that is going to sensitive bearings hydraulic components. Select a position of maximum turbulence and constant flow.

- If general system cleanliness is required, sample from a main flow line upstream of a filter or from an active reservoir
- If the cleanliness of the fluid entering a sensitive component is required, sample in a main flow line upstream of the component
- Identify best sample port location and type
- Completely purge sample port
- Rinse sample bottle 3 times with oil from sample port oil before collecting the sample
- Develop a procedure to ensure consistency
- Sample port must be properly flushed to prevent introduction of background contamination

