Series 8 Testing

Fluid Life

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Oil Testing and Evaluation

Suggested Testing Applications

Gear Boxes	Aviation Components	Final Drives

Series 8 Tests:

- Spectrometry
- Viscosity
- Water Contamination (Crackle Test)
- Soot (Diesel)
- Glycol Contamination (Engines)
- Fuel Contamination (Engines)
- Oxidation/Nitration (Natural Gas)
- Sediment

Test Description

Spectrometry
Detects and measures concentrations of wear metals, additive elements and contaminants. Our method tests for the presence of 23 elements and each element is displayed in ppm on a color coded report.

Viscosity
Viscosity is defined as a measurement of a fluid's resistance to flow. Fluid Life reports viscosity at both 40C and 100C for all samples using our own multiple pass patented technology.

Water Contamination
The presence of water in an industrial system is detrimental to lubricant properties and causes corrosion to metallic parts. Fluid Life's testing describes water levels as "negative", "reportable", "unacceptable" or "severe".

Soot
The soot content in diesel engine oils is a key indicator in monitoring the combustion condition of the engine. Fluid Life monitors and reports soot content as a percentage.

Glycol Contamination
Even small amounts of glycol contamination in an engine can cause damage. Fluid Life's method of tracking glycol contamination can detect glycol as low as 50 ppm.

Fuel Contamination
The presence of fuel can have detrimental effects on the performance of engine oil and operating components. Fluid Life's method of tracking fuel contamination encompasses the very best analytical technology available and detects fuel presence as low as 0.5 percent.

Oxidation/Nitration
Analysis of clean burning engines such as natural gas engines use oxidation and nitration values to indicate chemical degradation, which can lead to troublesome deposits on valves and pistons.

Sediment
The sediment test measures suspended particulate contamination in industrial or hydraulic lubricants in order to determine whether contaminants are entering from an outside source or being generated internally. Fluid Life reports sediment present on a filter patch in mg/l and flags the result based on a thorough microscopic analysis.

...because what happens on the inside really counts

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