

# FLUID LIFE

EQUIPMENT RELIABILITY SERVICES

## MINING & CONSTRUCTION

Running a heavy equipment fleet under harsh conditions can be demanding. Oil analysis gives you a window inside your equipment to identify and resolve mechanical issues at an early stage.

Plus, by using Fluid Life's myLab™ web-based reliability program management tool, you have the ability to track and manage your oil analysis program effortlessly. Count on fluid analysis to keep your fleet running at peak performance.



## Get the edge with **routine** fluid analysis

- Detect failures at an early stage
- Plan and schedule your mechanical repairs
- Protect your warranty
- Improve your fleet availability
- Optimize the life of your equipment
- Protect your Tier 4 engines
- Prolong the life of your hydraulic systems
- Optimize your oil drain intervals
- Ensure quality and cleanliness of diesel fuel
- Maintain cooling system efficiency
- Increase your equipment resale value



# Mobile Asset Test Packages

Engines, transmissions, hydraulics and drivetrain components are all prone to contamination or oil-related failure modes which may have a significant effect on your bottom line. In order to maximize the benefits of oil analysis, it is important to select a test package that gives you the information and quality you're looking for while staying within your budget.

Fluid Life offers a series of standard test packages, along with a variety of individual tests available on an à la carte basis.

HEAVY DUTY MOBILE EQUIPMENT OIL ANALYSIS TEST PACKAGES	MOB1	MOB2	MOB3	MOB4
<b>Applications</b>	<b>Failure Finding:</b> identifies the most common lubricant failure modes, while satisfying all equipment OEM warranty requirements	<b>Contamination Control (Hydraulics):</b> targeted focus on the lubricant condition of sensitive hydraulic components	<b>Contamination Control (Drivetrain):</b> targeted focus on the lubricant condition of all drivetrain components	<b>Lubricant &amp; Component Life Extension:</b> provides the information needed to safely extend or optimize drain intervals for ALL components
<b>ICP Spectrometry</b> 25 Elements	•	•	•	•
<b>Viscosity @ 40°C or 100°C</b>	•	•	•	•
<b>Water Contamination</b> Crackle Test	•	•	•	•
<b>Oxidation / Nitration / Sulfation by FTIR</b> Engines	•	•	•	•
<b>% Soot by FTIR</b> Diesel Engines	•	•	•	•
<b>% Fuel, Triggered GC</b> Engines	•	•	•	•
<b>% Glycol, Triggered GC</b> Engines / Transmissions	•	•	•	•
<b>ISO Particle Count</b> Hydraulics		•	•	•
<b>OPC Particle Count</b> Gears			•	•
<b>Acid Number by FTIR</b> Engine, Transmission, Hydraulics, and Air Compressors				•
<b>Base Number by FTIR</b> Engines				•
<b>% Water</b> Karl Fischer Method				TR.
<b>Sample Volume / Turnaround Time</b>	100ml / Next-day	100ml / Next-day	100ml / Next-day	100ml / Next-day

# Fluid Analysis Program Features

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As a leading provider of lubrication analysis and asset management solutions, Fluid Life uses its best-in-class software, training, tools and programs to help keep your equipment running at peak performance.

- ISO 17025 laboratory quality system
- Custom test packages for the mining and construction industries
- Flexible sample registration options
- Expedient freight options
- Next day laboratory turnaround available
- Convenient and flexible reporting options
- Sample Rank™ results evaluation
- myLab™ on-line data management toolkit
- Reliability consulting services
- Professional training seminars
- Four laboratories across North America and 40+ years experience
- Customer Care toll-free support

**Contact Fluid Life to purchase your test kits and associated sampling supplies.**

We're a company that's All Ways Reliable. From analysis and evaluation to planning and strategy, Fluid Life has the expertise to help you achieve a higher level of reliability.



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