

## INDUSTRIAL PLANT

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You have a continuous process and if any key piece of equipment goes down, your production may be significantly interrupted. When unplanned outages occur, it may be days or weeks to obtain and install spare parts.

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 get the data you need to put you back in full control of your production schedules.



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

- Detect failures at an early stage
- Mitigate equipment safety concerns
- Manage your contamination control efforts
- Confirm oil selection and condition
- Plan and schedule upcoming mechanical repairs
- Identify necessary shutdown work
- Prolong the useful life of your components
- Optimize your oil drain intervals
- Better manage spare parts inventory
- Integrate with other condition-monitoring techniques



# Industrial Plant Test Packages

Oil analysis is a proven technique for monitoring and maintaining critical plant assets like hydraulics, gearboxes, compressors, turbines and pumps. Fluid Life offers a series of five standard test packages plus a variety of individual tests available on an à la carte basis.

OIL ANALYSIS TEST PACKAGES	PLANT1	PLANT2	PLANT3	PLANT4	PLANT5
<b>Applications</b>	<b>Failure Finding:</b> identifies any abnormal component wear, indicating the presence of potential failures in-progress	<b>Contamination Control:</b> in addition to PLANT1 tests, this package also measures total system contamination using ISO particle counts	<b>Advanced:</b> an advanced assessment of oil degradation, contamination and wear (typically for power generation and turbo-machinery (pipeline or refinery equipment))	<b>Varnish Monitoring:</b> for assets that are prone to varnish-related issues or failures (turbines, large hydraulics & hydraulic injection molding machines and large circulating lube oil systems)	<b>Comprehensive:</b> recommended test package for validating turbine oils during delivery and commissioning activities
<b>ICP Spectrometry</b> 25 Elements	•	•	•	•	•
<b>Viscosity @ 40°C or 100°C</b>	•	•	•	•	•
<b>Oxidation</b> Non-Gears	•	•	•	•	•
<b>Water Contamination</b> Crackle Test	•	•			
<b>% Water</b> Karl Fischer Method		Tr.	•	•	•
<b>% Soot by FTIR</b> Diesel Engines	•	•	•	•	
<b>% Glycol, Triggered GC</b> Engines	•	•	•	•	
<b>% Fuel, Triggered GC</b> Engines	•	•	•	•	
<b>Acid Number by FTIR</b>	•	•			
<b>ISO Particle Count</b> Non-Gears		•	•	•	•
<b>OPC Particle Count</b> Gears		•	•	•	
<b>Acid Number by Titration</b>			•	•	•
<b>Initial pH</b>			•	•	•
<b>Varnish Potential</b>				•	•
<b>RPVOT (Oxidation Stability)</b> – relates to oil service life					•
<b>RULER (Antioxidant Levels)</b> – relates to oil service life					•
<b>Rust Test</b> (ability of oil to prevent rust)					•
<b>Demulsibility</b> (oil separation from water)					•
<b>Foam Tendency &amp; Stability</b> (Seq. 1)					•
<b>Air Release</b> (oil separation from entrained air)					•
<b>Sample Volume / Turnaround Time</b>	100ml / Next-day	100ml / Next-day	100ml / Next-day	250ml / 7-days	4L / 7-days

# 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. From analysis and evaluation to planning and strategy, Fluid Life has the expertise to help you achieve a higher level of reliability.

- ISO 17025 laboratory quality system
- Custom test packages for the industrial plant industry
- 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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