

Predict, prevent, perform

How oil analysis boosts equipment reliability & ROI



right solutions.
right partner.

What is oil analysis

Oil analysis is a set of diagnostic techniques that test the physical and chemical properties of lubricating oil in machinery. Oil analysis techniques provide insights into the overall health and performance of your equipment by detecting contaminants, wear particles and other indicators of machinery health.

Oil analysis aids in identifying potential issues, predicting machinery wear, and facilitating proactive maintenance measures to enhance the reliability, longevity and safety.



Why companies choose ALS for oil analysis

1

Rapid turnaround time

- Results available within 48 hours. We can accommodate same day if required.
- Cutting-edge instrumentation and automation for fast sample processing.

2

Superior diagnostics

- Alarm limits based on 60 years of data across leading OEMs and fluid manufacturers.
- Statistical models help ensure you receive the best diagnostics and expert oil analysis insights.

3

Unmatched 24/7 customer support

- Regional, ongoing live support and consultation from experienced technical leaders.
- Customer-first culture with a focus on continuous learning and technical innovation.

4

Ease of use

- 100% digital submission, tracking and reporting with Webtrieve™ and mobile apps
- Seamlessly connect, process and store your sample data within your (ERP) system.

5

Largest lab network in North America

- Globally standardized Laboratory Information Management System (LIMS) and reporting.
- 8 dedicated industrial fluid analysis labs across USA, Canada and Mexico.
- Ability to scale up and out to meet fluctuations in sample volumes.

Five reasons to invest in oil analysis



REDUCE MAINTENANCE COSTS

Oil analysis helps reduce maintenance costs by enabling you to eliminate catastrophic failures. Early issue detection in machinery helps predict mechanical breakdown and minimize additional unknown failures.



ASSURANCE THAT MAINTENANCE IS WORKING

Oil analysis can provide confidence in knowing whether maintenance is working or not, and tells you when there are changes occurring that could have a negative impact.



STOP THE COMPOUND EFFECT OF MECHANICAL FAILURE

When failures go undetected, they often lead to additional failures. Each failure can compound the impact on your machine, driving up the cost of repair. Oil analysis can help you identify potential problems before they negatively impact your equipment.



REDUCE LUBRICANT WASTE

Oil analysis allows you to reduce lubricant waste by helping you avoid changing oil prematurely.



QUICKLY ADDRESS FAILURES

Oil analysis enables you to detect problems early so that they can be addressed quickly rather than having to deal with sudden failures.

Maximizing results: How oil analysis delivers return on investment (ROI)

Using our ROI calculator, you can get meaningful insights into the true cost-benefits of fluid testing to optimize your asset reliability.

We use a combination of analytics and cost-avoidance specific to your asset reliability through in-service fluids analysis to provide the estimated ROI of your program.

HOW IT WORKS:

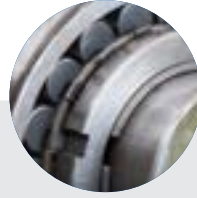
We collect data and variables from your environment and calculate the estimated cost of testing vs. asset failure cost avoidance. Next, a detailed report - with recommendations and your potential annual savings.

Real savings from clients



INDUSTRIAL EQUIPMENT

“Our analysis found a problem that predicted a machine failure, saving us \$20,000 in downtime”



TURBINE EQUIPMENT

“When we analyzed the bearings we found babbitt wear. This saved us over \$100,000 in downtime”



CONSTRUCTION EQUIPMENT

“The oil sample confirmed we needed repairs. This saved our customer four to six thousand dollars”

About ALS

A global leader in testing, ALS provides comprehensive testing solutions to clients in a wide range of industries around the world. Using state-of-the-art technologies and innovative methodologies, our dedicated international teams deliver highest-quality testing services and personalized solutions supported by local expertise. We help our clients leverage the power of data-driven insights for a safer and healthier world.



Contact us at reliability@alsglobal.com or at +1 (470) 794-2220 to see how we can support your oil analysis needs. alsglobal.com