

Signum Oil Analysis

Turbine Analysis Service

Signum Oil Analysis provides insight to help you maximize equipment life and reliability while reducing maintenance costs.

The importance of maintaining turbine lubricants free of particulate, water and wear contaminants is well documented. Both lubricant and equipment life may be extended by detecting and correcting lubricant contamination. Signum Oil Analysis helps make it easy to manage your maintenance activities with greater efficiency.

Analysis Options

Turbine Analysis

Turbine Analysis¹ provides essential turbine and lubricant specific testing designed to help you detect premature wear as well as lubricant contamination before they result in costly downtime or expensive repairs. Turbine Analysis is applicable for gas and steam turbines operating in continuous or intermittent service.

Turbine Analysis for Contamination Control

Turbine Analysis for Contamination Control¹ includes the additional testing to help improve turbine reliability by monitoring system cleanliness and lubricant performance. In addition to Turbine Analysis tests, Turbine Analysis for Contamination Control includes: particle count analysis, PQ Index (particle qualifier), and measures water content (Karl Fisher).

1 - Some tests are performed on condition at the time of analysis. Test protocols may change without notice.



Online Reporting

Signum Oil Analysis reports are available via Internet, email, or fax. The color-coded report is typically available within 1-2 business days of sample receipt at the laboratory. You can login to your account and confirm receipt at the Signum Laboratory by tracking the sample status online.

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Sample Report Overview — Graphic Report

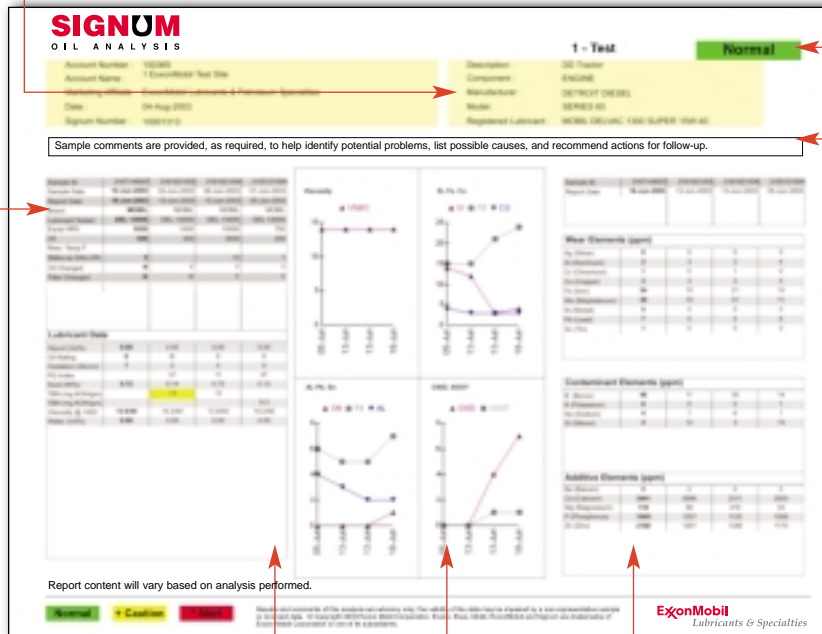
Signum Oil Analysis offers reporting options via Internet, email, or fax. The sample report provides valuable insights to determine equipment, contamination, and lubrication conditions.

Sample Point Data

Sample point data that you provide during online registration is used to interpret the analysis results. By including equipment manufacturer, model, and other operating parameters, an overall assessment can be made for your application.

Sample Label Data

A completed sample label provides critical information for processing and interpreting your equipment's condition. By including key information, like hr/mi/km and data sampled, you help establish data points that assist in condition trending.



Results Interpretation

Proprietary control limits are applied based on your equipment manufacturer, model, lubricant, and application. Sample comments are provided, as required, to help identify potential problems, list possible causes, and recommend actions for follow-up.

Analysis Results

The Signum Oil Analysis report provides an easy-to-read, color-coded display of your sample analysis results in order to:

- Trend elements of equipment wear
- Identify contaminants that may impact performance
- Monitor lubricant condition

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When your sample is processed, the laboratory handles each bottle as a unique and important item. Each sample is coded, labeled, and tracked through the entire process. By the time test results are available your equipment sample has directly benefited from our knowledge of ExxonMobil lubricants, decades of OEM relationships, and a strong heritage of hands-on application expertise. Sample comments are provided, as required, to help identify potential problems, list possible causes and recommend actions for follow-up.