

Signum Oil Analysis

Industrial Analysis Service

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

The importance of maintaining lubricants free of particulate, water, and wear contaminants is well documented. Both lubricant and equipment life can 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

Industrial Analysis

Industrial Analysis¹ provides essential equipment and lubricant specific testing designed to help you optimize your lubrication program and detect problems before they cause expensive unplanned outages. Industrial Analysis is applicable for hydraulic systems, gear drives, compressors, and circulating systems.

Industrial Analysis for Contamination Control

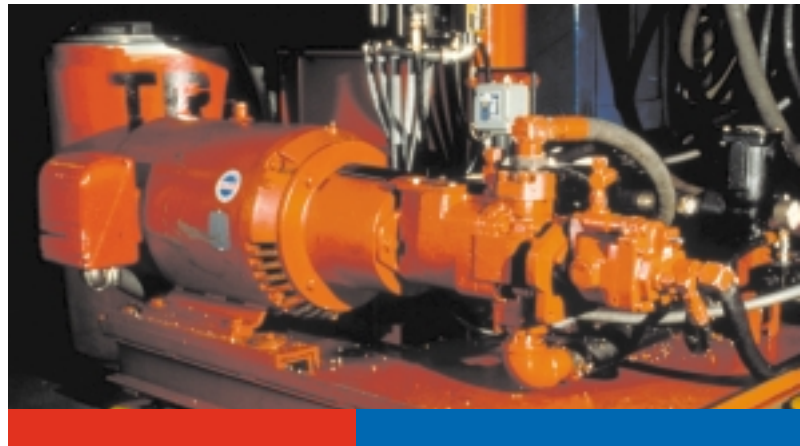
Industrial Analysis for Contamination Control¹ includes the additional testing to help improve equipment reliability by monitoring system cleanliness and lubricant performance. In addition to Industrial Analysis testing, Industrial Analysis for Contaminant Control includes: particle count analysis, PQ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

Precision Hydraulic Analysis

Precision hydraulic systems, which utilize sensitive control valves, depend on exceptional system cleanliness as well as good lubricant deposit control to continue operating at peak efficiency.

Precision Hydraulic Analysis¹ is specifically designed to optimize Mobil DTE Series hydraulic oil performance in precision hydraulic system applications. In addition to Industrial Analysis testing, Precision Hydraulic Analysis includes: particle count analysis, PQ Index (particle qualifier), water content by Karl Fisher, as well as ultra centrifuge and nitration testing.

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.

Signum Oil Analysis

Sample Report Overview — Graphic Report

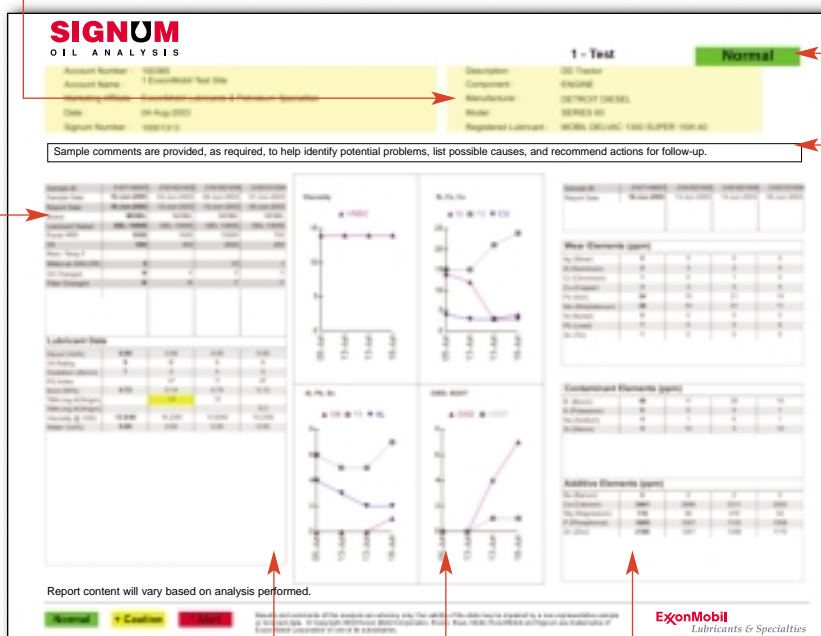
Signum Oil Analysis offers reporting options via Internet, email, or fax. The sample report provides valuable insights to determine equipment, contamination, and lubrication conditions.

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

Signum Oil Analysis

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.