

Signum Oil Analysis

Natural Gas Engine Analysis Service

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

Staying competitive in today's economy means getting the most from your oil and your engines. Detecting lubricant or engine problems early can mean the difference between an adjustment or a costly rebuild. Signum Oil Analysis helps make it easy to manage your maintenance activities with greater efficiency.

Analysis Options

Natural Gas Engine Analysis

Natural Gas Engine Analysis¹ provides engine 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. Natural Gas Engine Analysis is applicable for engines running clean natural gas or dual fuel applications.

Natural Gas Engine Analysis for Extended Service

Natural Gas Engine Analysis for Extended Service¹ includes additional testing to help you detect premature engine wear, coolant leaks, and lubricant contamination early. In addition to Natural Gas Engine Analysis testing, Natural Gas Engine Analysis for Extended Service includes: PQ Index (particle qualifier), oxidation and nitration tendency, Total Acid Number (TAN), manual glycol verification as well as tests for coking and nitro compounds.

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

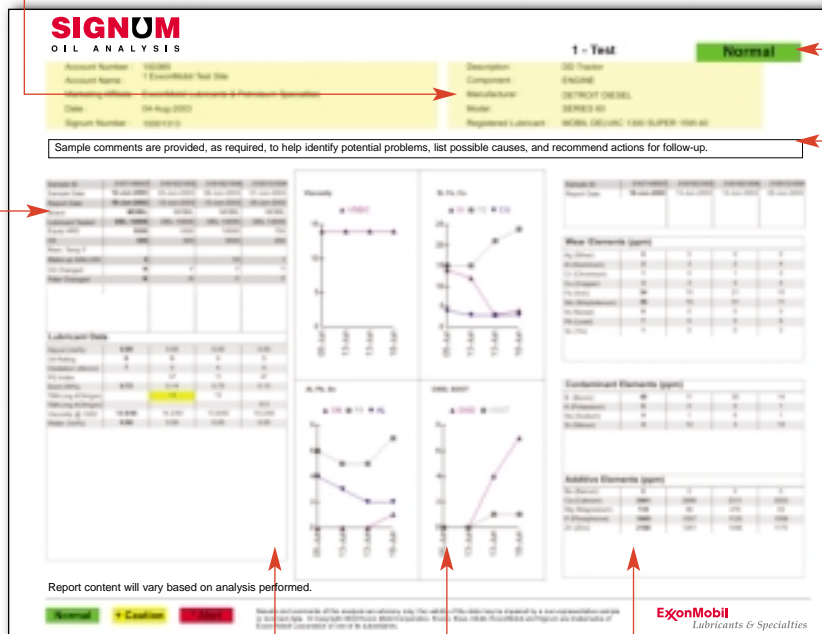
Signum Oil Analysis offers reporting options via Internet, email, or fax. The sample report provides valuable insights to determine equipment, contamination, and lubrication conditions.

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.