



Predictive Maintenance through  
**ANALYSIS AND REPORTING**



## Analysts Assures Equipment Productivity.

### COMPREHENSIVE ANALYTICAL TESTING

Data on the condition of your equipment, contamination and the physical properties of lubricants is generated through the most sophisticated analysis procedures. Analysts uses only state-of-the-art laboratory and data-processing equipment to perform these tests.

Analysts' wide range of laboratory tests and customer services allow you to monitor the condition of your machinery and equipment to more effectively predict maintenance and maximize uptime. Those services identify the serviceability of lubricants and help maintenance professionals schedule routine procedures and prevent breakdown.

Analysts furnishes diagnostic evaluations and maintenance solutions for industrial production machinery and for equipment used in the power generation, the marine, construction, mining, trucking, transit and aircraft industries.

An independent analytical-testing organization, Analysts operates five regional laboratories in the U.S. providing access to the highest quality services available in predictive maintenance.

The leader in lubricant and fluid analysis since 1960, Analysts employs the most qualified and experienced lab technicians and data analysts in predictive maintenance and tribology.

Each lab provides customers with advanced, accurate test results, detailed data reports and maintenance consulting. Sample after sample.

Through the company's services, you'll understand the what, when, where and why of events happening inside any lubricated component.

#### ➔ SPECTROCHEMICAL ANALYSIS

The cornerstone of Analysts' services is a spectrochemical analysis of 21 elements that may be present in your lubricants. These elements identify corrosion and wear metals, dirt, and coolant contamination. They also help monitor lubricant-additive packages to ensure proper use of and protection for your systems and equipment.

#### ➔ PHYSICAL ANALYSIS

Several tests are used to measure the physical properties of lubricants and fluids. Viscosity, total acid number and water content are customarily measured. Tests for dilution, neutralization, LEM<sup>®</sup> soot measurement, oxidation and nitration may also be recommended and performed on a regular basis.

Depending on your program requirements and system applications, Analysts also can perform testing for particle-count analysis, ferrography, dissolved-gas analysis, RBOT testing and a variety of sophisticated analytical procedures.



Five decades of technological enhancements along with attention to customer service has made Analysts' programs the most thorough and easy-to-use preventive and predictive maintenance programs available.

## Services to **Trust.** Time after Time.

### ➔ FIELD SERVICE

Analysts' field service engineers assist you in determining proper sampling programs and maintenance strategies.

After studying your operation and consulting with laboratory specialists, these engineers can recommend a program to support your maintenance program and requirements.

They work with you to adjust for specific operating environments and management controls.



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### ➔ FAST TURNAROUND

Within 24 hours after receipt of your oil samples, lab technicians complete prescribed ASTM and other tests using the most advanced equipment, instrumentation and computer systems available.

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### ➔ TRAINING

The company offers training and oil analysis seminars. We can troubleshoot and help with problem areas that your company may encounter.

### ➔ SPECIFIC RECOMMENDATIONS

Data analysts study test results for contaminants, wear rates and the serviceability of the fluids circulating within your equipment.

Utilizing the industry's most comprehensive database of equipment specifications and histories, these experts evaluate and suggest specific corrective actions.

Should abnormal or critical conditions be detected, Analysts calls you immediately to discuss test results and corrective actions your maintenance department can undertake.

### ➔ PRECISE REPORTING

Test reports, which have set the standards for predictive-maintenance reporting that is easy to read and understand, can be automatically faxed or mailed to your location.

Or, if you prefer, data can be made available from our website or through the company's proprietary, LOAMS® software.





## Quality and Customer Services Second to None.

### FIRST IN CUSTOMER SERVICES

Analysts' experience in equipment diagnostics through fluid analysis has led to numerous innovations in products and customer services.

### FIRST IN QUALITY

#### INTERNATIONAL QUALITY STANDARDS

Analysts complies with the internal standards for quality, including ISO 9002 and ISO 17025, which contains the specific requirements for laboratory quality. Analysts' commitment to provide world-class laboratory services is demonstrated by registration and certification to these quality standards. Few laboratories in the lubricants-analysis field are able to achieve these goals. Regular audits by accredited agencies assure customers of continued compliance.

#### INDUSTRY-QUALITY PROGRAMS

Analysts participates in independent quality-assurance programs that verify and assure accuracy and reproducibility of analyses. These programs are ASTM-administered and demonstrate the company's commitment to quality and excellence in laboratory services.

#### NUCLEAR-GRADE

Analysts' testing is performed in strict accordance with the requirements of 10 CFR50, Appendix B, the federal standard for quality programs in commercial nuclear-power facilities.

#### ANALYSTS ON-LINE

All sample reports and statistical management data studies can be accessed in real time from Analysts' website, [www.analystsinc.com](http://www.analystsinc.com). The site features specific information on all aspects of oil analysis, lubrication and testing.

#### FIELD SERVICE

Analysts employs a nationwide network of maintenance experts in oil analysis, who provide the training, implement programs and follow-up services to ensure your oil analysis program delivers positive returns on your investment.

#### REGIONALIZED SERVICE

Analysts owns and operates five laboratories in the U.S. to serve customers on a regional basis, thus increasing customer service and sampling turnaround.

#### COMPUTERIZED SUMMARY REPORTS FOR MANAGEMENT

Customers may elect to receive custom management reports that summarize activities and performance over specific periods.

#### LOAMS®

Analysts' **Lube Oil Analysis Management System**, a PC software program, allows you to access your account information directly from our database. You can download, merge and manipulate current and historical data.

#### PREPRINTED SAMPLE LABEL PROGRAM

To help control the effectiveness and regularity of your sampling program, Analysts can provide preprinted labels for components due to be sampled.

#### SAMPLING MATERIALS AND ACCESSORIES

Analysts has developed a range of sampling accessories and devices for specific applications. Supplies include every item your technicians will need to implement and facilitate sampling efforts.