

# **TRIBOLOGIK®** **NEWSLETTER**

ISO 17025:2005

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FEBRUARY 2015

## Oil Analysis Seminar

### INTRODUCTION TO OIL ANALYSIS

For those who were not able to attend the January 20<sup>th</sup> Oil Analysis training session, Tribologik Corporation will be repeating the Seminar at our Hammond IN laboratory.

This introductory session will provide basic information on oil analysis and its benefits to industrial and transport machinery and equipment operators.

See next page for detailed schedule and program

### REGISTER NOW

<b>Date</b>	Wednesday, March 25 2015
<b>Schedule</b>	9h00 AM to 4h15 PM Continental breakfast, coffee breaks and lunch included.
<b>Address</b>	TRIBOLOGIK CORPORATION 1212, 172 <sup>nd</sup> Street Hammond IN (at Columbia Avenue).
<b>Directions:</b>	Call 312-800-2888 or 219-228-4844
<b>Cost</b>	\$275.00
<b>Registration</b>	Jaime Burkhard - Lori Lambert 312-800-2888 219-228-4844 <a href="mailto:jaime@tribologik.com">jaime@tribologik.com</a> <a href="mailto:lori@tribologik.com">lori@tribologik.com</a>

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### INTRODUCTION TO OIL ANALYSIS

**8h30-9h00**                      **Registration, continental breakfast**

**9h-9h15**                         **Welcome and introduction**

**9h15-10h15**                   **Lubricants – General Info**

- Base oils
- Mineral, synthetic, biological oils
- Properties
- Uses
- Additives
- Classification

**10h15-10h30 :**                **Coffee Break**

**10h30 – Noon**                **Lubricant analysis**

- **Basic Tests:** Spectroscopy – FTIR - Viscosity
- **Complementary Tests :** Particle Counting; Direct reading; Water, glycol, fuel in oil; Particle Quantifer Index; Viscosity Index; etc.
- **Advanced Tests:** TAN, TBN, Karl Fischer, varnish...
- **Special Tests:** Ruler®; Chromatography, etc

**Noon – 13h00 :**                **Lunch – Courtesy of Tribologik Corporation**

**1h00 PM - 2h00 PM**        **Visit of the laboratory**

- From receiving to report delivery
- Instruments, tests, quality control, workflow process

**2h00 PM - 3h00 PM**        **Oil Analysis Reports**

- Reading and understanding a report : test results, interpretation, diagnostic, trends, recommendations, logic, reference oil, limits...
- Expert System Analysis

**3h00 PM - 3h15 PM:** **Coffee Break**

**3h15-4h15 :**                   **Sampling Procedure**

- Sampling tools
- Sampling Technique (How to)
- Precautions

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