

## NEWSLETTER

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### Tribologik® Training: When Should I Change my Oil?

This Spring "Training" is where the wind is blowing at Predictive Maintenance Corporation. From April to late June, we have set up training programs on oil analysis for both our customers and is also open to anyone with an interest in industrial and/or mobile equipment.



*When should I change my Oil*, is the question you will be able to answer at the end of the session. The courses are provided to small groups of 5 to 7 people which make it for easier interaction and experience sharing among participants. Sessions are available in English and French and the instructor is PMC's Laboratory Manager, Mr. Moussa Zidoune, Ph.D., Chemist. A guided tour of the lab is also scheduled, so that participants have the opportunity to see our chemists and technologists performing real tests on real laboratory instruments.

## **Training Subjects**

The main objective of the curriculum is to provide basic knowledge on lubricants, test methods and report interpretation.

Subjects such as the properties of base oil are being dealt with, as well as additive classification by types and uses, e.g.: anti-wear, extreme pressure (EP), anti-rust and corrosion inhibitors, anti-oxidants, detergents, anti-foam, etc.

You will learn for instance why and in which circumstances we recommend a specific test or test package, which tests are used to detect contamination or the level of additives, why are viscosity, lubricant oxidation or total acid and total base numbers being monitored, when and why do we prescribe an Inductively Coupled Plasma Analysis (ICP), Direct Reading (DR), Analytical Ferrography (AF), Infrared Analysis (FTIR), Particle Count (PC), Filter Debris Analysis or Patch Test (PT), etc.

You will also learn how to interpret your test reports, test methods, tests used to determine the condition of the lubricant and those to determine the condition of your equipment, tests recommended for engines and transmissions and those for bearings, compressors, differentials, gearboxes, pumps, hydraulics and turbines, aviation, coolants, grease and varnish.

The Spring 2011 sessions are essentially introductory sessions to lubricant analysis. By general request, PMC will organize specialised sessions in the fall of 2011. Some will be offered remotely through webinars via Go-to-Meeting.

The most frequently requested subjects are :

- Engines and transmissions
- Bearings, compressors, differentials, gearboxes
- Pumps, hydraulics, turbines,
- Coolants, grease, varnish
- Detailed analysis of test reports
- Aviation testing

Should you be interested in these and/or other topics, please let us know. We will keep you informed of the topics and dates by next September.

Meanwhile, please contact us for the dates of the next May and June 2011 sessions.

[info@tribologik.com](mailto:info@tribologik.com)

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