

April Dinner Meeting

Tuesday, April 9, 2013
The Old Mill, "The Mill Room"
Toronto, Ontario

Topic: Lubricants Technical Support (LTS) Lab Testing Capabilities

Presenters:

Kurtis D. Hartlen, Lead Chemist/Investigative Analysis Coordinator - Imperial Oil
Lubricants Technical Support Laboratory, Sarnia, Ontario

Abstract

The determination of when lubricating oil or greases are no longer suitable for continued use is imperative whether it's in your car, in a pump, or at a power generation station. Routine used oil analysis is an important component to any preventative maintenance program and generally provides the information a lubricant user needs to determine the end of a lubricants life. However, when routine tests no longer provide enough details or major disruptions/incidents occur an understanding of what went wrong is essential: Enter the Lubricants Technical Support (LTS) Laboratory. The LTS lab provides advanced forensic lubrication analysis for customers of Imperial Oil, Exxon Mobil and their affiliates.

Forensic used oil analysis requires an in depth understanding of lubricant design and formulation as well as intimate knowledge of how lubricants are used every day. The LTS lab is made up of engineers, chemists, and field tested and experienced personnel using industry standard and advanced oil analysis techniques and equipment to solve the lubrication problems of today.

There will be an overview of used oil analysis testing capabilities at LTS with a focus on the advanced forensic tests and equipment. A few case studies will also be discussed.

Bio

Kurt Hartlen received his BSc in Chemistry from Wilfrid Laurier University in 2007 and a MSc in Physical Organic Chemistry from the University of Western Ontario in 2009. Undergraduate and graduate research focused on synthesis and functionalization of nano-materials and an understanding of chemistry on very small surfaces. Since 2010 Kurtis has been employed by Imperial Oil in Sarnia, Ontario, at the Sarnia Technology Application and Research (STAR) Centre. His current position is Lead Chemist and Investigative Analysis Coordinator in the Lubricants Technical Support Laboratory.

Meeting Times

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| Hospitality | 5:00 - 5:30 pm |
| Technical Presentation | 5:30 - 6:45 pm |
| Lunch | 6:45 pm |

STLE Members & guests - we ask that you please pre-register with Ed Milanczak @ emilan@cogeco.ca.

You are still able to arrive at the door for the talk & dinner but seating cannot be guaranteed. You will be charged an additional \$5 for admission.