

STLE Toronto Section

2018 Education Seminar

The Fundamentals of Lubrication

Monday April 16, 2018

**Ontario Power Generation
Pickering Auditorium
1675 Montgomery Park Road
Pickering, Ontario**

The proper lubrication of equipment is commonly under-appreciated, resulting in the premature failure of machine components which destroys equipment; increases the cost of operations; reduces equipment reliability; and impacts the environment in which we live. With increasing pressures to do more with less, we can help because study after study has shown the unnecessary losses from friction and wear. Many of these can be easily prevented or at least reduced:

- 90% of rolling element bearings do not reach their design life. Improper lubrication is one of main factors.
- The leading cause of hydraulic system problems are oil contamination because of water and/or particles.
- Most electric motor failures are because of the bearings.
- Too much lubricant can be just as bad as too little. How much is enough?
- Lubricant incompatibility can cause major problems when the wrong products are mixed. Do you know what can and can't be mixed?
- With the increased focus on 'green' and eco-friendly lubricants and practices, more can be done with the initial selection and the extension of service intervals to reduce waste disposal costs.

Do you know all the 'Five Rights'? Right lubricant, Right place, Right time, Right amount and Right way. Learning the fundamentals is an important first step to improving equipment reliability.

In this seminar we start with the basics, learning the ABC's if you will, and then progress you through the subject material to build your understanding of how lubricants are formulated and tested; we introduce you to the performance requirements of automotive and industrial lubricants including lubricating greases; and finally we bring it all together with a discussion on the proper handling, maintenance and ultimate disposal of the lubricants.

By attending this seminar, you will gain a better understanding of the importance of lubrication, and that it is more than just applying a lubricant. Attend this seminar to learn about the 'Five Rights' and how to properly manage the lubricants from their selection, delivery, application, and ultimately to their disposal. This knowledge is critical to ensure the machine components operate at their designed capacity and last to their designed lifetime.

The purpose of the STLE Toronto Section Education Committee is to share developing technologies in basic and advanced lubrication for the benefit of all individuals involved in lubrication. The STLE Toronto Section for many years has conducted seminars in a wide variety of topics to fulfill this commitment. Our speakers for this course collectively have over 200 years of lubrication industry expertise.

By offering this program we continue in our commitment to provide quality services to our membership and the industry through sharing our knowledge. We encourage you to take advantage of this opportunity, so please plan now to attend this valued seminar.

Seminar Program

8:00 AM Registration and Coffee

Tribology and Lubrication

Learning the basics

Product Compositions

Base oil, additives and formulations

Lubricant Testing

Quality assurance, approvals, and in-service fluid analyses

11:30 AM Lunch (included with price of attendance)

Automotive Lubricants

Gasoline and diesel engine technology and drive train products

Industrial Products

Technology of industry and power generation lubricants

Lubrication Management

Fluid handling, inspections, changeouts, and disposal

4:30 pm - Closing Remarks/Q & A

Registration Form

STLE Toronto Section
Fundamentals of Lubrication
Monday April 16, 2018
OPG Pickering Training Centre

	Pre-registered by April 4, 2018	Registration <u>after</u> April 4, 2018
STLE Member	_____ \$295.00	_____ \$395.00
Non – Member	_____ \$345.00	_____ \$445.00
Student	_____ \$50.00	

Bonus Offer

The STLE Toronto Section would like to offer a discount for companies sending in 5 or more attendees, where all registrations received by April 4th will receive the **special rate of \$295.00**, the rate we list for an STLE member. Don't delay, sign up your team today.

Registration prior to April 4, 2018 is recommended to benefit from the discount offer!

Name: _____

Company: _____

Address: _____

City: _____ Province: _____ Postal Code: _____

Phone: _____ E-Mail: _____

Please print all information. Send one completed form for each person attending.

The STLE Toronto Section offers you two options for payment: by cheque mailed to our section treasurer at the address below; or you may telephone us with your credit card information. The STLE Toronto Section employs the service of Square™ for secure credit card transactions. Your receipt will be emailed to you.

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