

Lubrication Fundamentals and Fluid Management Seminar

Practical and theoretical topics will be presented allowing you to walk away with information you need to improve your company's understanding of lubrication fundamentals and the general principles of managing fluids to maintain their performance.

This is a multi-instructor education event, with experts in each field presenting on what they know best!

The topics listed below to give you an idea of the depth and diversification of knowledge of the people presenting this course.

- ◆ Fundamentals of Lubrication
- ◆ Base Oils and Common Additives
- ◆ Hydraulics
- ◆ Gear and Transmission Oils
- ◆ Oil Analysis
- ◆ Fluid Management
- ◆ Greases – types & applications

Make Your Reservations Today

Seminar Date: Tuesday March 31, 2015

Time: 8:45 am – 5:00 pm

Location: Red Lion Hotel
150 Hegenberger Road
Oakland, CA 94621
510-969-3108

FREE OAKLAND AIRPORT SHUTTLE!

Lunch is included in the cost of the seminar.

Contact hotel for special guest rates

Who Should Attend

All persons who work with industrial lubricating fluids should attend this program

- ◆ Equipment Operators
- ◆ Plant Managers & Supervisors
- ◆ Health, Safety, & Environmental Personnel
- ◆ Process Engineers
- ◆ Maintenance Personnel
- ◆ Chemists, Laboratory & Technical Personnel
- ◆ Technical Service Representatives
- ◆ Sales Personnel
- ◆ Anyone interested in improving their knowledge of lubrication



Society of Tribologists
and Lubrication Engineers

A Word about STLE

The Society of Tribologists and Lubrication Engineers (STLE) is a technical association founded in 1944 to advance the arts and sciences in lubrication, friction, and wear (Tribology).

The society includes over 4,000 individuals and 195 industrial members. They represent interdisciplinary technical professions from our industry.

STLE NorCal Section presents:

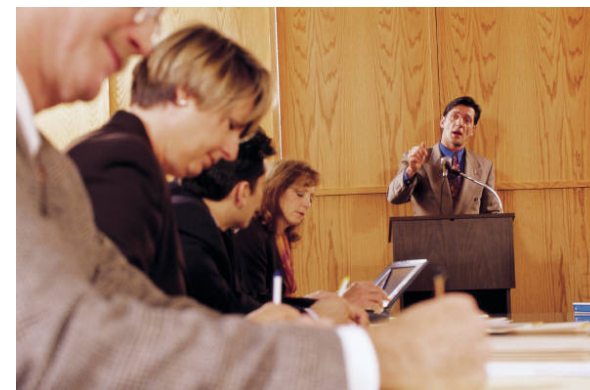
Lubrication Fundamentals and Fluid Management Seminar

A One-Day Seminar Presented

By:

The Society of Tribologists and
Lubrication Engineers (STLE),
Northern California Section

**Tuesday,
March 31, 2015
8:45 am – 5:00 pm**



**Red Lion Hotel
150 Hegenberger Road
Oakland, CA 94621
510-969-3108**

Lubrication Fundamentals and Fluid Management Seminar

Tuesday, March 31, 2015

8:30 am – 8:45 am Registration

8:45 am – 10:45 am

Topic: Fundamentals of Lubrication

We want to get the class started off right with a review of the basics!

Topics presented in this section include;

Lubricant Basics - what we lubricate, what is friction, viscosity and the lubricant regimes,

Base Oils - what are the common base oil types, their benefits and methods of production, and

Additives - a discussion on types of additives commonly used in lubricants and their benefits.

10:45 am – 11:00 am **Break**

11:00 am – 12:00 pm

Topic: Hydraulics Oils and Application

Hydraulic systems are found in almost every type of machinery, in almost every industry. The section covers the principles of hydraulic theory and the operating characteristics of hydraulic fluids and components that are used to create a complete system.

12:00 pm – 1:00 pm **Lunch**

1:00 pm – 2:00 pm

Topic: Gear Oils and Application

In this section we will provide a general understanding of gear oils and applications. Included in this discussion will be types of gear oils, additives and benefits as applied to industrial gear boxes, transmissions and axles.

2:00 pm – 2:45 pm

Topic: Grease and Bearings

This segment covers grease basics including grease terminology, the different types of greases and thickeners, properties of greases, and manufacturing processes.

We will also cover the major types of bearings, their benefits and applications.

2:45 pm – 3:00 pm **Break**

3:00 pm – 3:45 pm

Topic: Lubricant Applications

Now that we have provided necessary information on products and technology, we will show you key applications for such products. We will review on-highway, off-highway and industrial applications

3:45 pm – 4:45 pm

Topic: Fluid Management

This segment ties together all the topics related to the proper use of lubricating fluids in a manufacturing environment. It includes the need for proactive maintenance, integration of oil analysis into the maintenance program, techniques and methods for fluid management, techniques and methods for recycling to extend fluid life.

4:45 pm – 5:00 pm

Questions/Summary/Evaluations

REGISTRATION FORM

Lubrication Fundamentals and Fluid Management Seminar

Name #1: _____

Name #2: _____

Company: _____

Address: _____

City, State, Zip Code: _____

Telephone: _____

Email: _____



Society of Tribologists
and Lubrication Engineers

Registration Fees:

University Students: \$50

On or Before March 1, 2015:

\$150.00 STLE Member

\$200.00 Non-Member

After March 1, 2015:

\$200.00 STLE Member

\$250.00 Non-Member

DEADLINE TO REGISTER IS MARCH 15, 2015

Price includes:

Handouts, refreshments, and lunch

To register:

Contact Greg Croce at 510-242-5565 or
gcroce@chevron.com

Location:

Red Lion Hotel
150 Hegenberger Road
Oakland, CA 94621
510-969-3108