



**Distribution Specialists, Inc.**  
43671 Trade Center Place, Suite 110  
Sterling VA 20166-2118  
Phone: +1.703.996.8142  
Toll Free: 703.726.8853 (USA only)  
Fax: +1.703.996.8143  
Email: sales@DSI-Ltd.com

# ***PRODUCT FACT SHEET***

## ***Fundamentals of Lubrication Kit***

**PowerPoint Presentation with  
Samples and Demonstrations**



### **Learning Objectives for Students**

1. Understand the manufacturing processes for lubricating oils and greases
2. Know the common language used to describe lubricants
3. Favor proper storage & handling of lubricants
4. Understand how lubricants are applied to various machinery components
5. Demonstrate how to select the proper lubricants for common equipment in their plants
6. Favor proper oil sampling procedures

### **PowerPoint presentation**

- 57 slides with instructor's notes that detail the key points of each slide, related handouts, team exercises, and kit demonstrations, with references to help the leader prepare.
- Structured to be used with up to four teams of four students per team.
- CD includes 5 linked video clips on the refining process, the basics of lubrication, and synthetic lubricants.

### **Demonstration Kits**

Hands-on demonstrations and exercises that reinforce the slide presentations on each of the learning objectives, including:

- A demonstration of demulsibility and an advantage of synthetic oils. Samples of oxidized and contaminated oils.
- Two exercises dealing with viscosity classification and the relative viscosity of new and used oils.
- Samples of crude oil, typical light and heavy base oils, synthetic oils, and a training aid to demonstrate the difference between conventional and synthetic oils.
- A demonstration of how grease is made and how it lubricates machine elements.