

Corporate Office

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## Introduction to Lubrication

**Course Description:** This course covers the fundamentals and principles of lubrication with demonstrations and cutaways of actual lubricating systems. The construction, operation, and specific use of individual lube components, then become's the focus of the class. The components covered are; pumps, divider valves, controllers, and monitors. The types of systems are also covered.

**Prerequisites:** None

**Textbook:** Graco Trabon Introduction to Lubrication

### Learning Objectives:

- Explain centralized system design
- Explain the construction, operation, and application of pumps, reservoirs, flow dividers, indicators, filters, and monitor controllers
- Disassemble, inspect, and reassemble components
- Distinguish between sliding and rolling friction
- Identify types of lubricants
- Identify different types of injectors
- Explain Spindl-gard operation
- Demonstrate system analysis
- Basic system design
- Demonstrate bearing lube requirement calculation