

TRAIN WITH US.

LUBRICATI**N**
ENGINEERING

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LEVEL 1 - BASICS OF LUBRICATION



This training session offers foundational knowledge in lubrication, presented by a certified lubrication expert from Lubrication Engineering. It is designed for attendees new to lubricants or lubrication practices. This course covers essential topics:

- **Basics of Lubrication:**

- Why it is critical
- Functions of a lubricant
- Oil lubrication basics
- Grease lubrication basics
 - *Including hands-on grease interaction*
- Grease additives & thickeners

- **Contamination & Wear Regimes:**

- Contamination size
- Defining contamination levels
- Measurement methods
 - *Including a hands-on microscopic practical*
- Water contamination
- Wear regimes

- **Filtration Technology Overview**

- **Lubricant Storage Practices**

- **Lubricant Decanting Practices**

- **Overview of Oil and Grease Lubrication Systems**

Who should attend:

- New lubrication technicians
- Facility technicians
- Condition monitoring personnel
- Maintenance technicians
- Maintenance managers
- Purchasing & warehouse team members

Course Duration: 3-6 hours, depending on the level of class engagement

LEVEL 2 - LUBRICATION RELIABILITY



The Best Practice Lubrication training session builds upon the foundational “Basics of Lubrication” module, providing increased theoretical lubrication knowledge with a focus on improving equipment reliability with a focus on lubrication. It is recommended that individuals with at least 2 years of experience in lubrication attend the course. Delivered by a certified lubrication expert from Lubrication Engineering, the course covers the following key topics:

- **Lubrication Fundamentals:**

- Why it is critical
- Functions of a lubricant
- Oil lubrication basics
- Grease lubrication basics
 - *Including hands-on grease interaction*
- Oil & grease composition & classification
- Oil & grease additives and their use
- Lubrication regimes

- **Contamination & Wear Regimes:**

- How contamination size is important
- Wear mechanisms
- The language of contamination levels
- Measurement methods
 - *Including a hands-on microscopic practical*
- Water contamination
 - *Water contamination stages*
 - *Effects of water on lubricants and components*

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LEVEL 2 - LUBRICATION RELIABILITY

- **Contamination Management:**

- Technology overview
- How lubricant oil filters function
- Performance and testing methods
- Filter locations and uses
- Real-world examples

- **Lubricant Storage Practices**

- **Lubricant Decanting Practices**

- **Oil Sampling Strategies:**

- Incorporates live in-class training on methods and techniques
- Overview of oil and grease lubrication systems

Who should attend:

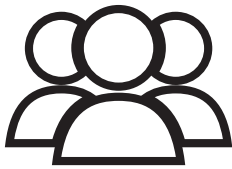
- Experienced lubrication technicians
- Experienced facility technicians
- Team leaders & foremen
- Condition monitoring personnel
- Maintenance technicians & managers
- Reliability team leaders

Course Duration: 1 Day or 2 Half Day sessions (recommended)





BEST PRACTICE LUBRICATION



**UP TO 20
PEOPLE**



**BUSINESS
HOURS**



**ON-SITE
OR OFF-SITE**

- This offer is in accordance with Lubrication Engineering's Pty Ltd standard Terms and Conditions
- Courses can be conducted on or off-site depending on site access requirements, during business hours for up to 20 people
- **Course costs do not include:**
 - Room hire (including project/flat panel display and whiteboard)
 - Accommodation costs
 - Airfares for sites located > 300km from a metropolitan center
 - Sites located outside of Australia



Quality • Reliability • Knowledge

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