

# Service Information

## Xpert™ Services



## MLT I/MLA I Training & Certification Course

**LE Brings Together Expert Instructor & Convenience of Online Training To Help You Build Foundation of Knowledge at Your Plant**

### Overview & Benefits

- Advance the lubrication knowledge and expertise of your reliability team.
- Gain control over the lubrication process and over your daily equipment reliability routine.
- Increase profits by increasing efficiency and reducing labor and downtime, all while protecting machinery.
- Enable team members to acquire MLT I and/or MLA I certifications.

In this course, managers, engineers and technicians alike will learn the impact that best-in-class lubrication practices can have on machine health and reliability. They will see why machine lubrication activities should be moved from modest and reactive to thorough, accurate and proactive. If your facility has any of the following equipment, you will benefit from this course: blowers/fans, compressors, gas turbines, gearboxes, hydraulic systems, motor bearings, paper machines, process pumps, rolling mills and steam turbines.

In a competitive manufacturing environment, even highly efficient organizations must figure out how to do more work in less time. With labor shortages, the struggle will intensify. One option is to limit the size and scope of machine care, but accomplishing this without sacrificing reliability requires both advanced knowledge and practical expertise. By advancing the lubrication reliability knowledge and expertise of your team, you can reap the labor savings and other hidden profits that are directly related to an improved reliability program.



*Private Training at your facility makes learning convenient and easy for your team!*



### Who should attend?

- Equipment operators
- Lubrication technicians & engineers
- Machine reliability technicians
- Maintenance managers & supervisors
- Reliability engineers
- Operations managers

### Expert Instructor

LE partners with third party instructors who are knowledgeable, experienced and active in the industry, ensuring that you will receive an unbiased course focused on education and training.



Asset Reliability Solutions™

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## Lubrication Fundamentals

- Friction & Wear Modes
- Lubrication Regimes
- Lubricant Composition
- Key Lubricant Properties
- Vegetable Lubricants
- Food Grade Lubricants
- Synthetic Lubricants
- Grease
- Solid Lubricants

## Lubrication of Key Equipment Components

- Bearings
- Gearboxes
- Mobile Equipment
- Internal Combustion Engines
- Hydraulics
- Compressors and Turbines
- Centrifugal Pumps

## Contamination Control & Storage and Handling

- Particulate Contamination
- Water Contamination
- Best Practices for Storage & Handling

## Oil Analysis for Enhanced Equipment Reliability

- Maintenance Strategies
- Sampling Techniques
- Oil Condition Tests
- Wear Debris Evaluation
- Selection of Optimal Program Based on Equipment Type
- Report Interpretation

## Lubricant Programs & Application of Lubricants

- Five Rights of Lubrication
- Best Practices in a World Class Lubrication Program
- Developing a Lubricant Conservation Program
- Lubricant Delivery Systems

## Course Details

**Location:** Online – Convenience of training right from your laptop/computer

**Schedule:** 8 a.m. to 5 p.m. days 1-3, with optional Online ICML exam next day or thereafter.

**Cost:** \$1,495 for 3-day seminar. Optional ICML exam(s) after class is not included in this class fee.

### Register & Check for Dates:

[www.LElubricants.com/education-training-mlt1.html](http://www.LElubricants.com/education-training-mlt1.html)

MLA I courses are carried out in accordance with the ISO 18436-4 standard.

## Optional ICML Exam Registration

This LE-hosted class provides the necessary hours of training to qualify participants – who also meet the requirements below – to take the MLT I and/or MLA I certification exam.

MLT I: ICML requires at least two years post-secondary education or on-the-job training in one or more of the following fields: machine lubrication, engineering, mechanical maintenance and/or maintenance trades.

MLA I: ICML requires at least 12 months experience in the field of lubricant-analysis-based machinery condition monitoring (based on 16 hours minimum per month of experience).

Qualified candidates should contact ICML, in advance of the training, at 918-259-2950 or go to [www.icmlonline.com/exams](http://www.icmlonline.com/exams) to register for testing. The \$275 testing fee must be paid directly to ICML.

## Test Preparation

This course provides pre- and post-class comprehensive preparation exams that are similar in length and structure to ICML's exams. Quizzes will be distributed to help attendees verify and improve material comprehension.

## Private Group Training Details

Private group training can be scheduled for a 3-day seminar either online or at your facility upon request with optional exam on the 4th day; contact us for a quote.

[Xpert Private Training Request](#)