



MLA Level II Course Outline

The Level II MLA Body of Knowledge is an outline of concepts that a candidate shall have in order to pass the exam, in accordance with ISO 18436-4, Category II, Annex A.

Lubricant roles and functions

- Base oil
- Additive functions
- Synthetic lubricants
- Lubrication regimes

Maintenance Strategies

- Fundamental aspects of Reliability-Centered Maintenance (RCM)
- Fundamental aspects of Condition-Based Maintenance (CBM)

Oil Sampling

- Objectives for lube oil sampling
- Equipment specific sampling:
- Sampling methods
- Managing interference
- Sampling process management

Lubricant health monitoring

- Lubricant failure mechanisms
- Testing for wrong or mixed lubricants
- Fluid properties test methods and measurement units

Lubricant contamination measurement and control

- Particle contamination
- Moisture contamination
- Glycol coolant contamination
- Soot contamination
- Fuel contamination (fuel dilution in oil)
- Air contamination (air in oil)

Wear Debris Monitoring and Analysis

- Common wear mechanisms
- Detecting abnormal wear
- Wear debris analysis