



Advanced Machine Reliability Resources

Mike Johnson, Principal Consultant

2061 McEwen Drive
Franklin, Tennessee 327067
Tel.: 615.771.6030
Cel.: 615.513.3000
mjohanson@amrri.com

MLT 1 Job Description

Level I Machinery Lubrication Technician (MLT)

The Machinery Lubrication Technician plays a significant role in preserving and improving the inherent reliability of plant machines and systems by delivering and supporting precise machine lubrication practices in every aspect of the lubrication function throughout the facility.

The MLT position is responsible for routine relubrication with oil and grease, lubricant contamination control practices, machine inspections and troubleshooting, automatic lubrication systems inspection and troubleshooting, and oil analysis (sample collection and handling, analysis, resolution of issues) for all lubricated mechanical systems.

A general description of MLT activities would include:

- Grease relubrication with manual and automatic dispensing equipment
- Filling reservoirs.
- Topping off reservoirs.
- Changing filters and breathers on reservoirs
- Draining and cleaning of reservoirs.
- Operating filtration equipment.
- Maintenance of dispensing equipment and automatic systems
- Perform field level oil analysis, including (e.g.) Crackle, Viscosity and Blotter Test.
- Schedule, collect, label and mail samples for analysis.
- Perform basic evaluation of oil analysis results and recommend current and future maintenance actions.
- Mechanical modification of systems as directed to facilitate sampling and filtration, and other proactive improvements.
- Labeling and tagging reservoirs, equipment, inventory and delivery containers.
- Printing and fulfilling planned lubrication activities
- Update scheduling systems, including adding notes to system and requesting work orders for maintenance repairs and activities.
- Troubleshoot common lubrication-related procedural and equipment problems.
- Coordination of inventory and routine ordering of products.
- Stocking inventory locations.
- Use of tools and equipment for routine and non-routine lubrication functions.
- Report in writing any discrepancies or conditions that require corrective, predictive or planned maintenance for production systems.



MLT 1 Job Capabilities and Skills Requirements

The MLT Level I position requires the following:

General Skills and Aptitudes

- Basic computer literacy, including the capability to operate standard email, spreadsheet, word processing and moderately complex software, and employ web-based programs, including those used for lubrication scheduling and oil analysis functions.
- Good oral and written communication skills and good team building skills.
- Capability to work in an unsupervised position effectively.
- Capability to read and interpret technical documents, such as:
 - OEM Maintenance plans
 - Blue prints
 - Advanced Lubrication Technology instruction and recommendations
 - Software system instructions.
- Capability to perform basic mathematical functions (addition, subtraction, multiplication, division, percentages) for the purpose of interpreting alarms, calculating lubricant inventory and calculating relubrication quantity considerations.
- Certified to operate lifting equipment (Fork Truck, Skip Hoist, Etc.)
- Certified to perform lockout-tag out procedures.
- Demonstrated initiative and strong work habits.

Lubrication Specific Skills, Knowledge and Aptitudes

- Understanding of fundamental lubrication concepts as defined in the ICML MLT Level I Body of Knowledge
- Hold ICML MLT Level I Certification or obtain it within 90 days of hire.
- Excellent problem solving skills.
- Have a strong fundamental understanding of mechanical, hydraulic and circulating systems operation, contamination control and maintenance functions.