

Get certified. Stay certified.



ICML
International Council for Machinery Lubrication



*Technical Nonprofit Organization
Serving Industrial Lubrication & Oil Analysis Professionals
Worldwide Since 2001*

WHO WE ARE

The International Council for Machinery Lubrication is a vendor-neutral, nonprofit organization founded in 2001 to support strengthen machinery lubrication and oil analysis as technical fields of endeavor. We are a certification body, a standards

WHICH ICML CERTIFICATION IS RIGHT FOR ME?

Our role-based certification and badge exams test competency for the proper planning and performance of daily tasks engineering. Our program follows the requirements of ISO 18436-1, and we are honored that our certifications were



Machine Lubricant Analyst
(ISO 18436-4)

Level I - Targets in-plant technicians responsible for daily activities associated with lubrication tasks and basic lubricant analysis for machine condition monitoring, including oil changes, top-ups, greasing bearings, lubricant receiving and proper storage and care of lubricants; dispensing devices and basic oil sampling, contamination control and problem detection.

Level II - Targets in-plant technicians responsible for the daily activities associated with lubricant analysis for machine condition monitoring, including sampling, sample management, performance of simple onsite tests, managing test results and performing simple diagnostics.

Level III - Targets in-plant technicians and engineers responsible for managing the lubricant analysis function. Tasks include team management, test slate selection, setting alarms and limits, sampling system design, instruments and software selection and advanced diagnostics.



Laboratory Lubricant Analyst
(ISO 18436-5)

Level I - Targets laboratory technicians performing simple daily activities, according to pre-established procedures associated with testing of lubricant samples. Tasks include receiving and handling samples, performing tests, reporting results and inspecting data from individual test methods.

Level II - Targets laboratory technicians responsible for the daily activities associated with producing lubricant analysis data for machine condition monitoring. Tasks include performing tests and analyses, diagnosing lubricant failure mechanisms and modes, instrument calibration and SPC-based quality control.



Machinery Lubrication Technician

Level I - Targets in-plant technicians responsible for daily lubrication tasks, including oil changes, top-ups, greasing bearings, lubricant receiving and proper storage and care of lubricants and dispensing devices.

Level II - Targets in-plant technicians or engineers responsible for managing the lube team, selecting lubricants, troubleshooting abnormal lubricant performance and supporting machine design activities.



Machinery Lubrication Engineer (MLE)[®]

Targets reliability and asset management professionals with a strong emphasis in lubrication and lubricant analysis. Formal engineering degree is not required. This is both an engineering and management-level certification for those who provide general engineering support for the development, implementation and management of user lubrication programs.

Includes lubricant selection, selection and use of lubrication and sampling hardware, overall lubrication program design and metrics, procedure development, optimizing lubricant PMs and inspection program design, lubricant analysis and troubleshooting, training and skills remediation, and management/staff communications.

The MLE Body of Knowledge is strategically mapped to the twelve correlated areas of the ICML 55 lubricated asset management standard, so MLE is ideal for those who guide organizations to achieve ICML 55 compliance as a tactical step towards ISO 55001 certification.

WHY CERTIFY?

- Creates a formal, standardized framework of knowledge
- Provides managers with assurance of skills
- Dignifies machinery lubrication & oil analysis professions
- Allows practitioners international recognition of credentials
- Yields better ROI than training alone

Sponsoring an exam session for your employees and customers shows them you are committed to their success and to the betterment of industry.

individuals and organizations through programs that body, a membership body, and an awards body.

related to machinery lubrication, oil analysis, and lubrication pioneered into ISO 18436-4 and 18436-5.



Food Processing Lubrication Badge

Targets practitioners in food or pharmaceutical settings (production, handling, distribution, etc.) responsible for daily activities such as selection and application of rated lubricants, routine lubrication tasks that adhere to food safety standards, compliance with governmental regulations and documentation requirements, equipment and field inspections, and microbial contamination control.



Varnish & Deposit Badges: Identification & Measurement, Prevention & Removal

VIM targets practitioners who recommend oil analysis tests and mitigation efforts, and who monitor and adjust them as necessary.

VPR targets practitioners who use proactive methods and technologies to reduce the degree of oil degradation, and who can evaluate various technologies to prevent or remove varnish.

Both badges are well suited to advisors and managers who recommend, sell, or install deposit control equipment or other mitigation strategies.



ICML 55® STANDARD

Following publication of ISO 55000 “Asset Management” standard in 2014, ICML marshalled a worldwide team of 45 technical experts to develop a highly tactical, lubrication-specific companion to supplement the more general ISO document. The result is known as ICML 55, comprising a set of standards that establishes the requirements and guidelines to build, implement, maintain, and improve lubricated asset management systems and activities.

ICML 55 fully defines twelve interrelated, auditable areas required for any sustainable, world-class, lubrication program plan. (See list on back cover.)

MEMBERSHIPS

ICML consists of corporate and individual members, professional staff, and technical volunteers from around the world. Our memberships offer flexibility, benefits, and engagement opportunities for those who wish to support our nonprofit mission, gain promotional exposure, collaborate with peers, and secure exam credits.



INDUSTRY EXCELLENCE AWARDS

Since 2001, ICML awards have become synonymous with world-class programs, recognizing end-user facilities for their accomplishments. The **John R. Battle Award** for Lubrication Excellence and the **Augustus H. Gill Award** for Oil Analysis Excellence motivate companies to improve machine reliability and maintenance quality through development, implementation, and management of their successful programs.

Applications are open to companies worldwide. No connection to ICML is necessary, and there is no cost to apply. However, to remain unbiased, ICML does not nominate programs itself. Submissions must come directly from industry.

ALLIED ORGANIZATIONS

ICML frequently establishes cooperative relationships with like-minded organizations outside of our membership program, for mutually beneficial promotion and pursuit of complementary goals. These relationships can be perennial for long-term interests, or they can be arranged for short-term initiatives such as individual conferences.

TRAINING PARTNERS

ICML teams with a dynamic network of independent training partners who proactively organize and conduct formal training classes aligned with our certifications. Their consistent qualification of exam candidates is integral to the real, measurable growth of professional competency among lubrication and oil analysis practitioners around the world.

We invite potential allies and training partners to contact us so we can discover effective ways to work together. Every relationship is unique, and every role is critical to mutual success.

RECERTIFICATION

Every three years, certified practitioners can maintain their credentials using a points system based on qualifying activities such as continued industry employment, lubrication-related training, article publication, conference attendance, and employment-related best practice activities.

ICML 55[®]

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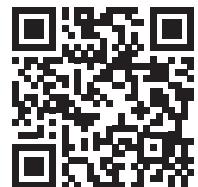
INTERRELATED AREAS of a LUBRICATION PROGRAM PLAN

01		Skills Job Task, Training, and Competency
02		Machine Machine Lubrication and Condition Monitoring Readiness
03		Lubricant Lubricant System Design and Selection
04		Lubrication Planned and Corrective Maintenance Tasks
05		Tools Lubrication Support Facilities and Tools
06		Inspection Machine and Lubricant Inspection
07		Lubricant Analysis Condition Monitoring and Lubrication Analysis
08		Troubleshoot Fault/Failure Troubleshooting and RCA
09		Waste Lubricant Waste Handling and Management
10		Energy Energy Conservation and Environment
11		Reclaim Oil Reclamation and System Decontamination
12		Management Program Management and Metrics

Made with VISME



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