



INNOVATION MEETS EXPERIENCE

Our ICML certified MRG Labs team are experts in the development of grease sampling tools and analysis, reliability training classes and the development of predictive maintenance programs for industrial equipment. These programs and technologies have enabled our partners to more accurately locate, predict and prevent mechanical problems, saving both time and money for their companies. The MRG staff is cross-trained in a variety of services dealing with maintenance optimization, including:

- *Grease Sampling per ASTM D7718*
- *Grease Analysis per ASTM D7918*
- *Advanced infrared analysis*
- *Vibration Analysis*
- *Oil sampling and oil analysis activities*
- *Root Cause Failure Analysis*
- *Ultrasonic inspections*
- *...And more*

*For more information on how MRG
can help your business, contact us today!*

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*Leaders in equipment reliability
education and lubrication solutions*

UNIQUE RELIABILITY SOLUTIONS

MRG Labs works in a variety of industries to increase the reliability of machinery and manage the costs of facility operation:

- *Wind Turbines*
- *Robotics*
- *Nuclear Power*
- *Pharmaceutical*
- *Utilities*
- *Water Treatment*
- *Petrochemical*
- *Railway Industries*
- *Manufacturing*
- *Food Processing*
- *Steel Fabrication*

LUBRICANT ANALYSIS

MRG's ICML certified staff delivers results to return value on your investment in lubricant sampling

MRG Labs is the leader in the development of sampling and analytical techniques for in-service lubricant analysis...

- *Grease Analysis performed via ASTM D7918*
- *Lube Oil Analysis*
- *Root Cause Failure Analysis*



MAINTENANCE AND RELIABILITY TRAINING

ICML certification courses, infrared thermography, root-cause analysis workshops and custom reliability training

While many organizations offer standard MLT and MLA certification training, MRG has put together a unique lubrication certification program that combines specialized training with hands-on learning.

- *Machinery Lubrication Technician I & II*
- *Machinery Lubricant Analyst I & II*
- *Root Cause Failure Analysis*
- *Infrared Thermography I & II*
- *Laboratory Lubricant Analyst I & II*



MRG Labs is the developer of the Grease Thief®, a patented device that allows for *complete grease sampling and analysis with only one gram of grease.*

Using standard laboratory methods outlined in ASTM D7918, up to ten different laboratory grease analysis tests can be performed to evaluate wear, consistency, contamination and oxidation properties of the grease:

- *RDE Spectroscopy*
- *Grease Colorimetry*
- *Moisture*
- *Analytical Ferrography*
- *Rheometry*
- *Microbial Content*
- *Die Extrusion*
- *FT-IR*
- *Ruler*
- *fdM+*

