

# Cement & Mining Lubrication Workshop

Cement manufacturing and mining operation are some of the most challenging environments for lubrication and long equipment life. The constant presence of abrasive contaminants, high temperatures, and shock loads conspire to diminish the time between failures and impact the ability to recover the valuable investment made in capital equipment. Lubricants are the lifeblood for these components, and in addition to ensuring the proper viscosity and additives for the application, there is a constant battle against contamination. Even in these trying circumstances, some companies have implemented best-practices in lubrication that have returned measurable results, and sharing these best practices is the focus of this industry-focused lubrication workshop. When an experienced and capable workforce is armed with the knowledge of lubrication best practices, including filtration, lubricant sampling and analysis, and condition-based lubrication replenishment, life extension of critical components and reduction in O&M costs can be substantial. Mining professionals will gather for a two-day workshop to tackle machinery care and reliability improvement issues through laboratory time, classroom workshops, and hands-on training. The goal of this workshop will be to share and learn the best practices in reliability-based lubrication and lubricant analysis techniques, with the goal of delivering cost-saving solutions to the attendees and their companies. The class includes hands-on activities, networking, and a tour of a local facility to reinforce the class experience.



Contact MRG Labs for more  
information!  
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## WORKSHOP SESSIONS

1. Gearbox Lubricants
  - Lubricating in a High-Dust Environment
  - Getting Value from Synthetic Lubricants
  - Risks of Using the Wrong Additives in Various Design Gears
2. Lubricant Analysis Testing [Hands-On]
  - Grease and Oil Sampling
  - Lubricant Health
  - Contaminants
  - Wear Debris
3. Oil & Grease Analysis Case Studies
  - Lubrication Success Stories in Cement, Mining, and Materials Processing
  - Participant Provided Reports
4. Contamination Control [Hands-On]
  - Proper Sample Collection
  - Contaminant Quantification and Removal Methods
  - Contaminant Exclusion
5. Machine Retrofits [Hands-On]
  - Splash Bath & Circulating Systems
  - Breathers and Filters
  - New tools for Oil & Grease Sampling
6. Automatic Lubrication Systems
  - Grease and Oil Design Types
  - Calculating Auto-Lube Savings
  - Routine Maintenance and Troubleshooting
7. Lube Storage and Handling Systems
  - Building Lube Storage Facilities that Protect Equipment
  - Stop Pouring Dirt into Your Machines
  - When Do Auto-Lubers Make Sense?
8. Building Work Practices
  - Creating a Clean-Inspect-Lube Culture in Mining
  - Optimizing Lubrication Routes
  - Using [Mini-Tab](#) and Other Software Tools for Linear Regression & Predictive Analytics in Lubrication