Cement manufacturing and mining operations 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 the MRG/AMRRI 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 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 to a local facility to reinforce the class experience.

All training occurs at York College’s J.D. Brown Entrepreneurship Center at King’s Mill Depot, 410 Kings Mill Road, York, Pa.

WORKSHOP SESSIONS

1. Mobile and Stationary Equipment
   - 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
   - Contamination
   - 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 Sumps
   - Pressurized Circulating Systems
   - Breathers and Filters
   - Oil Sampling Fittings

6. Lube Storage and Handling Systems
   - Building lube storage facilities that protect equipment
   - Stop pouring dirt into your machines
   - When do Auto-lubers make sense?

7. Building Work Practices to Extend Machine Life
   - Machinery and System Surveys
   - Building Lubrication Routes
   - Efficient Data Collection
   - Information Management Methods
   - Case Analysis and Execution

Cost to register: $995* per person (See Website for Discount)

QUESTIONS?

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