



Lube Storage Room

World's Largest Borate Open Pit Mine & Ore Refining Facility

Customer Profile

This is the world's largest borate open pit mine and ore refining facility. It is located in California's Mojave Desert. They have been an LE customer for more than 30 years.

Challenge

Over the past several years, this borate open pit mine has been implementing "Best Practices" into their maintenance procedures. They were introduced to these practices by plant personnel attending Noria training, where a decision was made by maintenance management to begin a "Best Practices" Reliability Program. They understood for the program to succeed and be sustainable, it must start with clean, dry lubricants properly stored and monitored. It would then need to be delivered to the plant equipment in the same clean and dry conditions.

LE Solution

A decision was made to employ a comprehensive effort to furnish a brand new lubricant storage facility with the latest in contamination control equipment. This included Tote-A-Lube bulk storage systems, Des-Case breathers for the TAL systems, dedicated Des-Case filter carts for each type of lubricant (synthetic EP gear oil, mineral EP gear oil, anti-wear hydraulic mineral oil, R&O mineral oil), which are used to both transfer the new incoming bulk lubricants to the Tote-A-Lube system containers and providing monthly filtration of the stored new lube to ensure the target ISO Cleanliness Code values were being maintained. Lube oil is then transferred to the machine



applications in color-coded Oil Safe containers. The pictures in this report speak volumes for the efforts and dedication by the entire reliability/maintenance team.

Other Products Used

- Almaplex® Industrial Lubricant (1275)
- Duolec® Vari-Purpose Gear Lubricant (1605)
- Monolex® Penetrating Oil & Lubricant (2059)
- Almagard® Vari-Purpose Lubricant (3751-3752)
- Monolec® Turbine Oil (6461)
- LE Transformer Oil (6760)
- Multilec® Industrial Oil (6803)

Thank you to Mark Nickel, LE lubrication consultant (pictured), for providing the information used in this report.





Almaplex®, Duolec®, Monolex®, Almagard®, Monolec® and Multilec® are registered trademarks of Lubrication Engineers, Inc.

Based on actual user experience. Individual results may vary. Not intended to supersede manufacturer specifications.

SIC 2819
LI70748 12-08

300 Bailey Avenue • Fort Worth, TX 76107 • Fax: 800-228-1142
LE operates under an ISO 9001 Certified Quality System.



www.LElubricants.com
800-537-7683