

Solving Customer Problems



with

Metso Minerals Aftermarket Services

Increase Production and Profits

**Reduce Scheduled and
Unscheduled Downtime**

www.metso minerals.com



Knowledge is power. Metso engineers and field service representatives offer knowledge to customers to give them the power to save time and money by increasing production, reducing downtime and overall, operating more efficiently. This knowledge comes in these forms...

- ◆ **Parts**
- ◆ **Engineered Retrofit Parts**
- ◆ **On-site Training**
- ◆ **On-site Advice and Guidance**
- ◆ **Engineering Analyses**
- ◆ **Process Support**

Training

An experienced and trained Metso Minerals engineer will provide different levels of training to your on-site personnel. These levels are as follows:

General Training: Our engineer will present an overall view of the equipment at your site. Topics covered include principles of operation; installation; maintenance; troubleshooting; and possible upgrades.

In addition, a brief summary of our complete scope of services and technical support will be reviewed in this one day session.

Detailed Mechanical Training: In a typical three day training course, all the equipment at your site is reviewed. Our engineers develop and customize these training sessions according to customer specific requirements, covering details in equipment operation, predictive and preventive maintenance, and troubleshooting. Equipment covered includes:

- ◆ Mill Trunnion Bearings
- ◆ Trunnion Bearing Lubrication Systems
- ◆ Lubricants
- ◆ Filtration
- ◆ Mill General Arrangement
- ◆ Feed and Discharge Arrangements
- ◆ Bolting
- ◆ Other Operating and Maintenance Parameters

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Advice

A Metso Minerals representative can walk-through your plant with the goal of determining your needs based on his experience. The inspection can range from a cursory walk-through to a detailed check of drive train alignment using laser alignment equipment. The end result of inspection could be slight changes in current maintenance practices, or pointing out parts that should be replaced. In the case of obsolete parts, a completely re-engineered part or system would be in order. Re-builds from original drawings are available from Metso Mineral's capable foundry or factory. In all cases, our personnel will prepare a full report that details observations and recommended corrective action.

Guidance

Our representative can be there to guide your crews and supervisors in the best way to maintain the mill or replace parts and systems. If questions arise pertaining to the operation of the mill from a process point of view, Metso Minerals process engineers are available to answer your questions and adjust the systems as necessary.

Engineering Analyses

When an on-site inspection reveals a problem which requires a detailed engineering analysis, Metso Minerals is ready. Our on-site personnel will contact engineers in the home office for assistance. The on-site personnel become the eyes and ears of engineers who are ready to take the data gathered on-site, analyze it and report their recommendations.

Contact Metso Minerals Aftermarket Services Group for complete details on our training services. Metso Minerals looks forward to working with you to increase the efficiency of your plant operations.

