

Metso

Gear and pinion services

Lubrication systems

Not to be overlooked, lubrication is a vital factor for gear life and performance.



Your challenge:

When gears are not being properly lubricated, it can be detrimental as excessive wear occurs. Contaminants can be an issue too, leading to system failure.

Metso solution:

- **Gear spray systems**, allowing lubrication quantities and spray frequencies to be maintained automatically
- **Gear guards**, maximize mill uptime by keeping contaminants out of your lube system and gear set

Gear spray lubrication systems

- Systems are custom engineered for your individual gear set and lubricant
- Programmable Logic Controller (PLC) system is fail safe and interlocked with your mill
- Minimizes waste and cost by ensuring that the exact lubrication quantity needed is metered, dispensed and continuously monitored
- Externally mounted nozzles reduce cleaning and maintenance time required

Gear guard upgrades

- Contaminants in the gear mesh can cause wear and decrease useful life
- Gear guards with new seal configuration minimize potential contamination
- Pressurized filtered air can be used to keep unwanted particles out



Metered lubrication is precisely applied to the teeth



Mounted PLC control panel monitors the gear spray activity



Protecting the gear with a pressurized guard

Why Metso services?

- As the OEM of your gear, Metso has the expert knowledge to maximize its life
- With detailed drawings, design expertise and field service personnel, Metso's services are reliable, accurate and timely