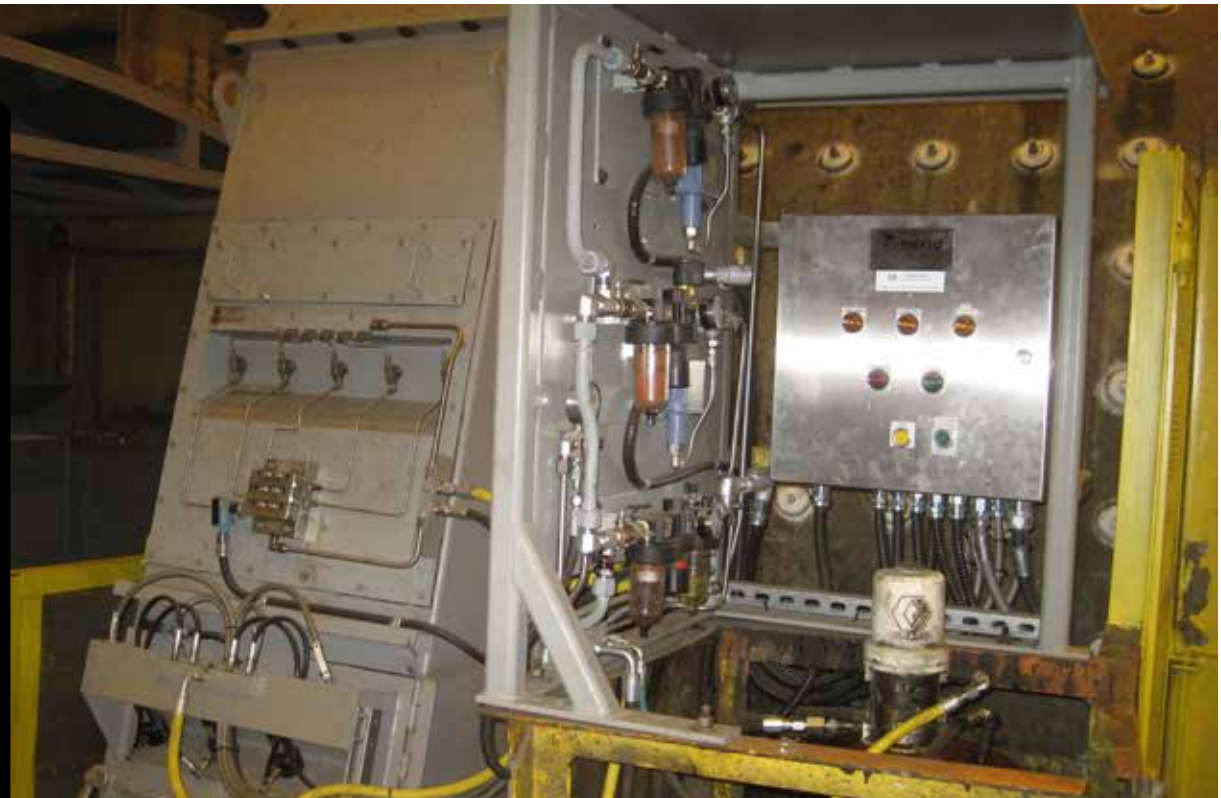


Metso

Gear and pinion services

Temperature monitoring

Keeping an eye on temperature can help correct issues before they really heat up.



Your challenge:

Fluctuations in temperature signify serious misalignment issues. This can be a potential threat to your overall operation.

Metso solution:

- **Infrared temperature monitoring**, continuously tracking the health of your pinion
- **Expert interpretation**, quickly troubleshooting irregular pinion temperature profiles

The monitoring process

- The pinion temperature monitoring system uses differential temperature checks across the pinion face to ensure proper pinion alignment
- Automatic sensing and continuous condition monitoring is accomplished through infrared sensor technology
- The system uses low-maintenance parts for operational efficiency and is customizable to fit most gear guards

The interpretation process

- Collected data is extremely valuable and can be used to prevent future issues
- Metso personnel are available to interpret any irregularities
- Additionally, they can provide an action plan, correct any misalignment, as well as properly control lubrication and contamination

Why Metso services?

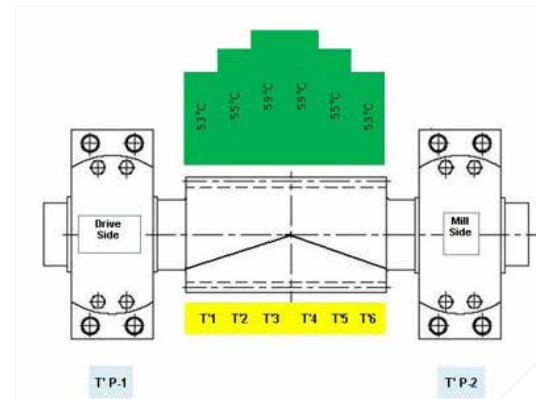
- As the OEM, Metso has an in-depth understanding of gearing technology and other interacting components
- Coupling this with detailed drawings, design expertise and field services personnel, Metso is uniquely positioned to provide you with more accurate and timely assessments



Temperature readings are taken by non-contact infrared sensors



An infrared thermography system tracks the readings continuously



The pinion temperature profile is then shown on an HMI display