

Event II: Vertical Roller Mill Separator

Event

- Moderate temperature increase in separator shaft bearings
- No indications (alarms) in the plant control room

CemAI Event Feedback

- Inspect automatic lubrication system
- Check for unusual vibration levels or noise

Maintenance Team Findings

- Grease distributor was found clogged and was replaced
- Temperature still elevated so it was suggested to disconnect all lines and check if lubricant is flowing
- One of the grease lines was found clogged and cleaned
- Bearing temperature back to normal levels
- Bearing damage avoided b/c event was captured at very early stages

Value

- **Up to \$500k** to replace bearing cartridges and possible shaft repairs
- **2 days** of kiln **downtime**

