

Integrated lubrication services

Bearing and return line flush



Energy lives here[®]

► This critical service can help minimize operational costs by removing potentially harmful deposits that can cause lubricant leaks, bearing failure and unscheduled maintenance downtime.

Description

After a thorough bearing inspection, expert engineers will, if necessary, recommend and oversee a hot-oil bearing and return line flush to remove deposits caused by contamination, wear and other factors.

Application

Expert engineers will work with you to:

- Identify service objectives that help ensure optimal equipment performance
- Assist in establishing site-specific requirements for lubricant performance and quality assurance
- Coordinate arrangements with the service technician who will:
 - Complete the flushing process
 - Gather key baseline and other relevant data

Potential benefits



Reduced lubricant leakage due to blocked or constricted lines



Enhanced revenue through reduced unscheduled downtime



Maximized bearing life



Reduced costs of parts and lubricant replacement



Reduced maintenance labor costs



Enhanced equipment reliability

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Deliverable: An Engineering Service Report details the completed process, documents system cleanliness before and after treatment, recommends steps to maintain cleanliness and provides an estimated value of the service. Distribute and present the completed report to plant management and key personnel.

Common opportunity areas

- Improper lubricant flow rates
- Bearing failures attributed to lack of lubrication
- Lubricant leakage
- Lubricant contamination

Safety, health and environment

Field engineers are attuned to the hazards of handling, storing and using petroleum products. They strictly observe safety and environmental rules and ExxonMobil and customer safety practices. They coordinate efforts through designated plant personnel verifying electrical and mechanical lockout and proper tagging prior to working on equipment, and providing recommendations to help reduce hazards.

Process details

- 1 System inspection**
Reveals deposits in bearing cavity
- 2 Flush setup**
Bypass jumpers installed and secured to high-velocity flush rig
- 3 Flush run**
Time required depends on targeted cleanliness*
- 4 Final inspection and report**
Documentation of performance improvement†

Industrial
Lubricants



By helping you enhance equipment life and reliability — which minimizes maintenance costs and downtime — our expert services can help you achieve your safety, environmental care and productivity goals.

*Confirmed by analysis and filter visual inspection
†Results may vary depending on bearing condition