

Lubrication Services

Contamination Control Service

Service Data Sheet

Situation

Often contamination in lubricant systems is a significant contributor to premature component failure. Left unchecked, the particles resulting from external and internal contamination generate even more contaminants. These contaminants initiate a chain reaction of component wear and lubricant degradation.

Solution

This service involves the appropriate treatment of the lubricant in an operating system to remove harmful water and solid contaminants. Your ExxonMobil engineer may recommend this service on the basis of a contamination control assessment.

What We Do for You

ExxonMobil engineers and service representatives work with plant personnel to:

- Identify lubrication systems suffering from ongoing water or particulate contamination that cannot be addressed by normal preventive maintenance
- Establish contamination limits based on OEM recommendations and advocate proactive methods for maintaining targeted cleanliness levels
- Coordinate and conduct on-site arrangements to:
 - Appropriately treat the lubricants to return system cleanliness to acceptable levels while the machine continues to operate
 - Gather and report key baseline and other relevant data
 - Assist in establishing routine audits of system cleanliness
- Provide and distribute appropriate written documentation of service provided and its benefits
- Maintain a strict focus on safety, health, and the environment



How You Can Benefit

Potential benefits could include the following:

- Revenue improvement through reduction of unscheduled downtime
- Reduction in parts replacement and lubricant expenses
- Lower maintenance labor costs
- Improved equipment reliability and more effective maintenance control
- Reduced used lubricant disposal costs

Precautions ExxonMobil Takes when Providing Services

In providing services, ExxonMobil engineers and service representatives:

- Are attuned to the hazards of handling, storage, and use of petroleum products
- Coordinate efforts through designated plant personnel
- Strictly observe the site's safety and environmental rules and ExxonMobil's safety practices
- Verify equipment electrical and mechanical lockout, proper tagging, and potential explosion hazards prior to working on equipment
- Are prepared to provide recommendations to reduce the hazards associated with spill, leakage, and fire when using Esso and Mobil products

Process Details

Establish Cleanliness Parameters	Monitor and Trend System Condition with Oil Analysis	Check Whether Parameters Have Been Met or Exceeded	Complete Oil Purification	Document Results and Program Benefits
			Filtration to Remove Solid Particulate	
			Vacuum Dehydration to Remove Water and Other Liquids	
