

IN PLANT SERVICES

ON-SITE CAPABILITIES THAT ENHANCE RELIABILITY AND YOUR PEACE OF MIND

Colfax Fluid Handling's Reliability Services puts lubrication experts on-site to guide and protect your facility and team through sensitive lubrication issues, helping to optimize equipment performance reliability.

Services include:

- Oil System Preventive Maintenance
- Initial Fill Filtration Services
- Contamination Control Investigation
- Reclamation Equipment Rentals
- Emergency Water and Particulate Removal



INITIAL FILL SERVICES

New equipment installation can cause contamination in the oil circulation system and related piping. Particulate matter left over from manufacturing or introduced during installation can lead to system wear or failure once the new machinery is put into operation. Our Reliability Services specialists provide trouble-free start-up services.

These include:

- Determine OEM specifications and recommend the optimal lubricant for new equipment
- Establish oil cleanliness specifications
- Coordinate new lubricant delivery from local supplier
- Establish multi-phase filtration procedure
- Fill system
- Certify lube cleanliness levels prior to start-up
- Perform vacuum dehydration as needed
- Provide in-line dialysis filtration, if required
- Analyze baseline data for documentation
- Document system cleanliness



RECLAMATION EQUIPMENT RENTALS

It's not often practical – or possible – to shut down critical systems that need repair until the next scheduled outage, even if contaminant levels are high. That's when Reliability Services can offer an effective solution that allows you to continue operating and address contamination issues. We offer a variety of purification skids for short-term or long-term rental. We also offer portable laser particle counters that routinely monitor the effectiveness of reclamation equipment.

Our lubrication experts work with your team to:

- Coordinate the right response to your need for lubrication-related assistance and on-site purification
- Help determine the root cause of contamination and develop a long-term solution
- Propose reclamation equipment options to maintain system cleanliness until repairs are completed, such as:
 - Vacuum Dehydration Equipment
 - Portable Filtration Equipment
 - ThermoJet® Purifier
 - Portable Varnish Removal Equipment
- Synchronize on-site equipment delivery, set-up and operational training
- Provide service contracts on all rental equipment available to ensure maximum equipment performance

OIL SYSTEM PREVENTIVE MAINTENANCE

Regular inspections, and the cleaning and removal of contamination caused by component wear, lubricant oxidation and external sources is a must for oil reservoirs on circulating system bulk tanks, gear sumps and related equipment. Service is recommended every three to five years, and varies depending on the application, operating temperatures and environment.

Reliability Services offers a turnkey preventive maintenance service that includes system inspections, cleaning and lubricant.

Services Include:

- Recommend and implement best lubrication management practices
- Establish baseline profile and routine inspection schedule
- Inspect systems and propose methods to optimize system reliability
 - Analyze contaminants and create photo record
 - Inspect filters and air breathers
 - Gather key baseline and performance data for documentation
- Pump out and clean sumps, including temporary storage
- Reclaim oil, where possible
- Refill system and document condition

CONTAMINATION INVESTIGATION SERVICE

The goal of the Reliability Services Contamination Control Investigation Service is to avoid unscheduled downtime by reducing maintenance expenses. This includes identification of leakage points that reduce component life and lead to contamination and elimination of system defects and oil line restriction caused by contamination deposits.

On-site investigations and corrective actions include:

- Interview plant maintenance personnel to gain full system knowledge
- Perform system surveys that include component temperatures, flow rates and leakage
- Examine lube oil supply and return line piping
- Inspect lube system reservoirs, auxiliary conditioning equipment and flow meters
- Probe via video and digital photography to determine the exact location of contamination and determine its effects
- Report findings and recommend improvements to enhance system operation and prevent repeat problems
- Work with plant maintenance personnel to implement recommendations

YEARS OF EXPERIENCE AND KNOW-HOW

In Plant Services from Reliability Services provides the years of expertise and know-how it takes to troubleshoot a facility's lubrication system and optimize it for years of improved service – just one more way we work to keep you Up and Running.

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Reliability Services

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