

# OIL SYSTEM FLUSHING SERVICES

## PLAN-BASED PROCESSES TO PROTECT KEY EQUIPMENT

Colfax Fluid Handling's Reliability Services is there for you when system flushing is critical to maintain productivity and protect your equipment. Our Oil System Flushing Services provide bottom line improvements that:

- Reduce unscheduled downtime
- Decrease component and lubrication expenses
- Increase manpower availability by lowering maintenance requirements
- Enhance equipment reliability
- Establish more effective maintenance control

### SPECIFIC SERVICES

- **High Velocity Oil Flushing for steam or gas turbines, compressors, stationary engines** – High velocity oil flushing can be critical to equipment reliability when lubrication system issues are caused by sudden catastrophic failure, gradual contamination buildup or new equipment installation. In such an event, the entire lube system may require flushing to meet specified cleanliness levels.
- **Varnish Removal for gas or steam turbines, compressors** – Lubrication system varnish or carbon buildup can damage equipment. When these are present, flushing and filtering the system of these contaminants are key to maintaining production.
- **Heat Transfer System Flushing for process industries including chemical, asphalt, rubber, plastics plants and paper mills** – Oxidation and carbon buildup in a heat transfer system can compromise production efficiency. When either is present, the heat transfer oil system may require flushing.
- **Gas Engine Oil System Flushing** – Triggered by sudden catastrophic failure, gradual contamination buildup or new equipment installation, stationary gas engine oil system flushing enables the system to meet specified cleanliness levels.
- **Paper Machine Bearing and Return Line Flushing** – Return oil line contamination, oxidation deposits, wear or external issues can cause excessive lubricant leakage and shorten bearing life. A hot oil flush of individual bearings and related piping can reduce maintenance time and increases productivity.



### FLUSHING PROCESS

Our lubrication experts work with your plant personnel to create a team that ensures all of your oil system flushing needs are met. Services include:

- Develop a detailed on-site inspection plan and timeline to meet outage, turnaround and production schedules
  - Assist in establishing inspection requirements for lubricant performance and quality assurance
- Establish flush plans
  - Define a successful flush plan criteria
  - Create recommendations for improved performance and reliability
- Manage flushing services
  - Verify flush paths and jumper installation
  - Set up high velocity flush equipment
  - Complete system flushing and related elements
  - Inspect flush screens, filters and bags
  - Gather key baseline and related performance data for documentation
  - Monitor system improvements
  - Document the service summary and return on investment for management review
  - Provide a Service Summary that:
    - Details the steps completed
    - Documents performance improvement
    - Supports additional engineering recommendations to enhance system reliability
    - Recommends routines such as regular Oil System Preventive Maintenance

## ENVIRONMENTAL BENEFITS

We're on top of environmental health and safety issues, and make certain to make you aware of the latest updates as they apply to your specific operation. We routinely review EPA and safety regulations and we carry extensive liability insurance.

### Colfax Fluid Handling Reliability Services

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*Reliability Services*

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Fluid Handling

RELIABILITY  
SERVICES