



# Paper Machine Bearing and Return Line Flush

## Process Details

### 1 System Inspection

- Inspect Bearings and Lube System Components for Deposits
- Develop Specific Flush Plan

### 2 Flush Set-up

- Configure Individual Bearings for Flushing
- Determine Flush Flow Paths and Modify Piping as Required

### 3 Flush Run

- Use High Velocity Oil Flush Techniques to Flush Each Bearing Cavity as well as Supply and Return Headers
- Confirm Cleanliness by Analysis and Visual Inspection

### 4 Final Inspection and Report

- Document Performance Improvement

Excessive lubricant leakage and shortened bearing life can result from restrictions in return oil lines typically caused by contamination, deposits from oxidation, wear, or external sources.

This turnkey solution from **COT-PURITECH** consists of a complete hot oil flush of individual bearings and related piping. As a result, you spend less time on routine maintenance, and more time keeping operations running profitably.

#### On-site Inspection Provided by Lubrication Experts

Knowledgeable **COT-PURITECH** staff work with plant personnel to:

- Assist in establishing site-specific requirements for lubricant performance and quality assurance
- Participate in bearing inspections during planned shutdowns to develop flush plans and provide recommendations for improved performance and reliability
- Present the completed service summary to plant management

**COT-PURITECH's™** technicians arrive on-site to:

- Complete the flushing of bearings and related piping (see Process Details, on the left)
- Gather key baseline and related performance data for inclusion in value-added documentation
- Provide a Service Summary that details the steps completed and any additional recommendations for ensuring long-term performance, such as regular **Oil System Preventive Maintenance**

#### Bottom Line Benefits

- Revenue improvement through reductions in unscheduled downtime
- Reduction in component and lubricant-related expenses
- Increased availability of manpower due to lower maintenance repair
- Improved equipment reliability and more effective maintenance control

#### Environmental Health and Safety

**COT-PURITECH™** routinely reviews EPA and safety regulations, including the latest updates as they apply to your specific operations. In addition, **COT-PURITECH™** carries extensive liability insurance.

Contact a **COT-PURITECH™** representative at 888-478-6996

