



# Heat Transfer System Flush

## Process Details

### 1 Determine Detailed Flush Plan

- Select Proper Flush Oil
- Specify System Cleaners & Purge Procedure
- Verify Flush Paths and Jumper Installation

### 2 Set-Up Equipment and Complete Flush

- Review System Requirements
- Set-Up High Velocity Flush Equipment

### 3 Document Flush Results

- On-Site Analytical Equipment to Verify System Cleanliness
- Inspect Flush Screens/Filters
- Verify Successful Flushing of Equipment

### 4 Complete Service Summary Report

- Prepare a Complete Project Summary Report Documenting a Successful Flush
- Determine Sampling Criteria Required to Monitor System Condition

The presence of oxidation and carbon buildup in your heat transfer systems can severely compromise process efficiencies. This is especially true for large, integrated heat transfer systems in process industries such as chemical plants, asphalt plants, and paper mills, as well as general manufacturing such as rubber and plastics plants. When such an event occurs, you may need to flush the heat transfer oil system to remove the oxidation and carbon contamination.

Fortunately, the flushing experts at **COT-PURITECH** can help. To correct this problem we offer Heat Transfer System Flushing of the oil circulation system following recommendations from us, your OEM, or your lubricant supplier.

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

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

- Develop flushing plans and time-lines to meet your outage and production schedules
- Establish successful flush completion criteria
- Monitor system improvements as a result of this service and document the return on investment from energy cost savings and efficiency increases

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

- Complete the flushing of the heat transfer system piping and related elements (see Process Details, on the left)
- Gather key baseline and related performance data for inclusion in documentation
- Provide a Service Summary that details the steps completed and support any additional engineering recommendations for ensuring availability, such as establishing routine **Oil System Preventive Maintenance**

#### Bottom Line Benefits

- Revenue improvement through reductions in energy costs and unscheduled downtime as well as increases in the quality and efficiency of product produced
- Reduction in component and lubricant-related expenses
- Increased availability of manpower due to lower maintenance repair
- Improved equipment reliability and more effective temperature 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