

OIL FLUSHING SERVICES

B&W Fluid Dynamics, Inc. is an Engineering, Consulting, and Service Company focused on using the most advanced technology in the pre-commissioning cleaning of new power plants and petrochemical plants and refineries worldwide.



The Right Combination:

High Velocity Oil Flush

A typical turbine lube/control oil flush lasts 48 to 72 hours. The key to an effective and fast lube oil system flushing is a well designed high velocity, full-flow filtration application.

- **B&W Engineering Package**, prior to starting any oil flush
 - ✓ Will determine the appropriate flush pump curve for the various flow loops in the system
 - ✓ Validate the calculated Reynolds numbers for each loop
 - ✓ Write procedures which are based upon client specifications, OEM requirements and any other standards or regulations governing the project
 - ✓ Provides Detail Process Flow Diagrams which are drawn to reflect flow-paths and valve alignments
 - ✓ Assign a Registered Professional Engineer to manage all engineering tasks

- **B&W temporary equipment includes:**
 - ✓ Pumps sized to provide all bearing supply lines with a velocity of 15 feet/sec. ***This ensures fully developed turbulent flow and fluidization of particles contaminating the oil system.***
 - ✓ State of the art particle counting equipment is used for real time particle count sampling at each bearing supply line
 - ✓ Heat exchangers.
 - ✓ Vibrators.

- **B&W will** bypass all turbine/generator bearings with special hydraulic jumpers/sample points
 - ✓ All restrictive components are removed and cleaned separately.