



## CIP — CENTRIFUGE INSPECTION PROGRAM

ASSURE PEAK PERFORMANCE, AND PREVENT MINOR ISSUES FROM BECOMING MAJOR PROBLEMS, WITH A PROVEN PROGRAM OF SCHEDULED INSPECTION, ANALYSIS AND MAINTENANCE RECOMMENDATIONS FOR HORIZONTAL BOWL DECANTER AND VERTICAL DISC CENTRIFUGES.



**CIP provides the information you need to maintain quality and throughput, and help avoid unnecessary expensive downtime. CIP includes**

- Vibration analysis of main bearings, main motor bearings and back drive motor bearings.
- Inspection and ultrasonic testing of bowl thickness.
- Gearbox, bearing and coupling lubricant change where applicable. In addition, samples of drained lubricants will be sent for laboratory analysis.
- Measure and record operating temperature of main bearings and lubricating oil where applicable.
- Inspection of belts for condition and tension, and adjust if required.
- Inspection of isolators for condition and performance.
- Spin analysis of feed liquid and liquid effluent.
- General inspection of instrumentation, controls and safety mechanisms.
- Composition analysis of feed liquid, discharge liquids, and solid discharges.

CIP also includes an evaluation of process performance to assure optimal efficiency and productivity.



The charts above show vibration amplitude at various frequencies before and after main and motor bearing service.

The Centrifuge Inspection Program's vibration analysis of bearings and other key components is an important step in evaluating current equipment condition and estimating remaining service life.



**Dupps Separation Technology** includes Dupps-Gratt Centrifuge Technology and the Dupps Centrifuge Service Group. With a full line of proven, high-performance centrifugal decanters, centrifuges and accessories backed by responsive, expert service, Dupps Separation Technology assures customers of reliable, efficient operation and maximum uptime.

**For more information about Dupps Separation Technology products and services, email [DuppsSeparationTech@dupps.com](mailto:DuppsSeparationTech@dupps.com), visit [www.dupps.com](http://www.dupps.com) or contact one of our offices:**



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