

Vibration Analysis Services

Centrifugal, Reciprocating and Rotary Screw



Quality Workmanship

Vibration analysis is a crucial part in evaluating a machine's state of health and condition. Our vibration monitoring program starts with taking an initial or base-line reading. Follow-up readings are then taken at regular intervals to track the machines health. From these readings, a custom database is created for your specific site. This database contains specific information concerning the measurement locations, archived measurement readings and planned measurement routes. By using proven diagnostic methods and by making comparisons to past readings, a machine's condition can be determined and recommendations for improvements can be made. Once corrective actions have been implemented, we can verify that conditions have improved through our continued monitoring.

Vibration analysis can deduct unbalance, misalignment, bearing failure, electrical problems, loose foundations, and worn out belts. All these problems can be measured through Vibration Signature Analysis. Best-Aire's engineering staff will evaluate the clues and determine if vibration values are within tolerance and make appropriate corrective actions to improve to overall health of your compressor.



Vibration Analysis can detect problems with:

- Unbalance
- Misalignment
- Bearings Failure
- Electrical Problems
- Loose Foundations
- Worn Belts and pulleys

Michigan

5088 Meredith
Portage, MI 49002
800.272.9762
Phone: 269.342.0138
Fax: 269.342.0260

Ohio

3648 Rockland Circle
Millbury, OH 43447
800.468.7484
Phone: 419.726.0055
Fax: 419.726.0623

Indiana

8700 Roberts Dr. Ste. 100
Fishers, IN 46037
866.529.3864
Phone: 317.598.1430
Fax: 317.598.1381

Optional Measurement Studs:

Using the VIBCODE® measurement stud system will ensure more accurate data collection and will enhance trending reliability. This is accomplished in part by allowing a wider range of frequencies to be transferred through the stud mounts.

Measurement location repeatability is guaranteed due to each stud being encoded with location number and measurement type.

The total time required for setting up a vibration route, taking vibration readings, and report generation is dependent upon the type and complexity of each machine. For pricing contact your Best– Aire Compressor Services Sales Representative or call our offices.

Other Compressor Services Include:

- 24-hour Emergency Service
- Project Supervisors
- Overhauls
- Portable tools and machinery
- Cylinder Boring and Honing
- Flange Facing
- Grinding
- Turbines
- Engines
- Fabrication Engineering
- Balancing
- Casting Repairs
- Welding
- Grouting
- Valve
- Remanufactured Compressors

Mechanical Repairs Include:

- Compressors
- Pumps
- Vacuum Pumps
- Heat Exchangers
- Remanufacturing
- Intercoolers
- After-coolers
- Valves



We are your single source for complete compressor services.

To contact one of our sales representatives, log on to www.best-aire.com or call the nearest location you