

## **Bearing Maintenance**

This is an in-depth, two-day course covering the design, construction, and installation procedures associated with the major types of bearings used in industry today. Hands-on training is the primary focus of this course, with approximately 60% of the class time spent performing laboratory exercises. This course is designed for all maintenance personnel involved with the installation of anti-friction bearings, performing bearing failure analysis, and selecting lubricants as part of their daily routine.

### **I. Bearing Design and Construction**

- Bearing Requirements
- Bearing Types
- Anti-Friction Bearings
- Friction Bearings

### **II. Bearing Maintenance**

- Bearing Lubrication
- Bearing Inspections
- Roller Bearing Installation
- Roller Bearing Removal
- Journal Bearing
- Bearing Care

### **III. Bearing Failure Analysis**

- Normal and Abnormal Load Patterns
- Maintenance-Related Failures
- Lubrication-Related Failures
- Operational-Related Failures