



MECHANICAL POWER SYSTEMS

TRAINING WORKSHOP

Industrial Training, Inc. provides on-site, as well as centralized, mechanical power systems training. This highly developed three-day seminar is designed to advance mechanical skills while using realistic applications employees can implement immediately in your company. Employee will gain knowledge of proper mechanical maintenance, helping to decrease downtime. This training examines bearing types, the removal and installation of bearings, and inspection methods. It teaches what to look for in belt wear and how to select proper replacement belts. Drive chains, couplers, lubrication, assembly and everyday problems will be thoroughly covered. Employees will also learn proper use and care of precision tools.

TRAINING TOPICS

Proper Tools

- Measuring With and Reading Dial Indicators, Micrometers, and Dial Calipers
- Proper Tools for the Job
- Hand Tool Safety

Bearings And Seals

- Terms and Classifications
- Bearing Types and Materials
- Seal Types and Materials
- Operation and Replacement
- Troubleshooting Belt Drive Failure

Belts

- Belt Types and Identification
- Belt Identification and Numbering Systems
- Pulleys and Sheaves
- Pulley and Sheave Installation
- Proper Alignment and Tension

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Drive Couplers

- Types of Drive Couplings
- Proper Installation and Dial Indicator / Laser Alignment

Lubricant

- Types and Classifications
- Viscosity
- Compatibility
- Common Lubricant Problems

Chain Drive Systems

- Chain Types and Identification
- Chain Sizing
- Sprocket Types and Identification
- Proper Alignment and Tensioning
- Troubleshooting Chain Failure

