



Save Time and Money Through Improved Compressor Performance

This course introduces knowledge of compressor design and applications. Topics covered include valve design, clearance, capacity control, compressor components, performance, and vibration measurement. The approach uses current field case histories to illustrate Pressure Time (PT) and valve vibration events, rod load and crosshead vibration, and system losses.

As a bonus, Allied Reliability Subject Matter Experts may visit throughout the class to discuss topics such as the latest design trends in compressor components, lubrication practices, SmartCBM™, and other relevant, innovative reliability elements.

YOU WILL LEARN:

- Performance characteristics
- Reciprocating compressor components and dynamics
- Measuring Performance - PT Curve and Pressure Volume (PV) Curve development
- The basic applications of reciprocating compressor analysis data
- Rod Load, Pressure Reversal, and Reciprocating Forces
- Frame, Cylinder, and Crosshead Vibration
- System Loss and Economic Indicators

TARGET AUDIENCE:

- Engineers
- Process and Maintenance Personnel

COURSE DURATION

3 Days

COURSE DELIVERY

This course is offered in both public and private settings.

