



TRAINING &
TECHNICAL SERVICES

Summary

This class is intended for equipment operators, maintenance personnel, supervisors, engineers, gas controllers, and other personnel responsible for high-speed reciprocating compression equipment. There are no pre-requisites required to attend. This class is offered at the customer's location.

(36 training hours)

Contact Us Now!

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High Speed Reciprocating Engines & Compressors



High Speed Reciprocating Engines and Compressors course focuses on speed engines and reciprocating compressor fundamentals.

This course provides a solid foundation to any employee involved in the operation and maintenance of high speed reciprocating engines and separable reciprocating compressors. The class is stimulating and challenging.

Course topics include:

- 4-stroke cycle theory and operation
- Mechanical linkages
- Engine packages and manufacturers
- Terminology (peak firing pressure, mean effective pressure, compression pressure, etc.)
- Horsepower, torque, and brake specific fuel consumption
- Bank balancing
- Detonation, pre-ignition, misfires, and dead cylinders
- Fundamentals of combustion characteristics (the effects of rich/lean, advance/retard, etc.)
- Emissions formation theory and emission control technologies
- Compressor horsepower, pressure-volume curves, and rod load
- Unloading devices
- Compressor valves

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