

Reciprocating Compressors Fundamentals

OEM: Rockwell Automation • Duration: 3 Days (24 hrs) • Code: MMS-140

COURSE MODULES & TOPICS

Objectives

- Describe the function of a reciprocating compressor
- List and describe the major components of a reciprocating compressor
- Describe the basic operation of a reciprocating compressor
- Discuss factors that affect compressor operation
- Discuss maintenance activities associated with a reciprocating compressor
- Troubleshoot common compressor problems

Student Materials

- Student Manual includes the key concepts, definitions, examples, and activities presented in this course
- Lab Guide includes the hands-on exercises

Next Level Learning

- Shaft and Coupling Alignment course (MMS-245)

Course Agenda

Day 1

- Principles of operation
- Compressor laws
- Reciprocating Compressor components
- Lab exercises

Day 2

- Reciprocating Compressor operation
- Factors affecting operations
- Lab exercises

Day 3

- Reciprocating Compressor Inspection and maintenance

- Routine maintenance practices
- Troubleshooting
- Lab exercises
- Review
- Written Exam