



PHASE 5B Barrel Compressor Familiarisation and Maintenance

Only Applicable to Rolls-Royce designed equipment

Who should attend	: Mechanics and maintenance support personnel.
Duration	: 2 days (between Mon-Fri)
Location	: RR Facility / Customer Facility on-shore
Class Size	: 12 Maximum
Course Identification	: Phase 5B
Prerequisites:	: None

AIMS:

The course provides an understanding of compressor operating characteristics, component parts, general maintenance procedures and special tools associated with common maintenance items.

OBJECTIVES:

Upon successful completion of the course, the attendee should be able to:

- Describe the operating principles of the compressor
- List the major components of the compressor
- Identify the instrument sensors of the compressor
- Explain the operation of seals within the compressor
- Describe bearing replacement procedures and special tool use
- Explain the design point, basic surge and stonewall conditions

COURSE CONTENT:

- Course Introduction
- Centrifugal Compressor Operating principles
- Major Components
 - Case
 - Aerodynamic Bundle
 - Rotor and Impeller
 - Diaphragm and Diffuser
 - Shaft Seals
 - Bearings
- Instrumentation sensors
- Compressor component inspection
- Compressor special tooling
- Operation and compressor curves
 - Design point
 - Surge
 - Stonewall





PHASE 5P Pipeline Compressor Familiarisation and Maintenance

Only Applicable to Rolls-Royce designed equipment

Who should attend	: Mechanics and maintenance support personnel.
Duration	: 2 days (between Mon-Fri)
Location	: RR Facility / Customer Facility on-shore
Class Size	: 12 Maximum
Course Identification	: Phase 5P
Prerequisites:	: None

AIMS:

The course provides an understanding of compressor operating characteristics, component parts, general maintenance procedures and special tools associated with common maintenance items.

OBJECTIVES:

Upon successful completion of the course, the attendee should be able to:

- Describe the operating principles of the compressor
- List the major components of the compressor
- Identify the instrument sensors of the compressor
- Explain the operation of seals within the compressor
- Describe bearing replacement procedures and special tool use
- Explain the design point, basic surge and stonewall conditions

COURSE CONTENT:

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