



Hydraulic Fracturing Applications

Date	Venues	(\$Fees	Book your seat
14 Apr -18 Apr 2024	Bahrain	2900	Register Now

Course Overview

After completing this course, trainees should be able to describe the basic components and common types of single-acting cylinders and double-acting cylinders. They should also be able to describe the basic components and operation of common types of vane motors, gear motors, piston motors, and partial rotation actuators.

Course Objective

- Explain the basic principles of hydraulic system operation
- Identify the basic components of a typical hydraulic Fracturing Applications
- Describe the general operation of a typical hydraulic system
- Describe the basic components and operation of Fracturing Applications
- Describe the basic components and operation of a single-acting spring return cylinder

Who Should Attend?

Mechanical, Operation, Production, and Maintenance Engineers Senior Technicians should benefit from this course. Also Senior Technicians should update and refresh their knowledge by attending this course.

Course Outline

- Introduction to the fracturing process and mechanics
- Practical fracture design
- Fracturing fluid additives and proppant
- Strengths and limitations of fracturing applications
- Production increase
- Factors involved in field implementation
- Acid fracturing vs. proppant fracturing
- Frac packs
- Waterfracs
- Fracturing in horizontal wells
- QA/QC of fracturing treatments
- Evaluation of fracturing treatment success

Training Methodology

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation



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