Introduction to Basic Turbo Expander Process

Course Description:

Who is the course for?

This eLearning course is aimed at individuals working in the oil and gas industry who require an overview of the operation of turbo expanders.

Is previous experience required?

It is assumed that you are competent in your designated role and have a basic understanding of gas processing and NGL recovery.

How will the course benefit me?

Turbo expanders are used to generate the very low temperatures required for NGL recovery. This course will give you a basic understanding of the operation of a typical turbo expander.

It will also indicate potential problems that may occur in a turbo expander and the factors that will affect expander efficiency.
How will the course benefit my company?

By ensuring you are fully aware of the correct operation of a turbo expander, you will be better able to work on NGL recovery systems safely. You can also help to identify abnormal conditions and prevent problems from occurring the expanders.

What standards are referenced in the course?

This course does not refer to specific legislation or standards but is written to current HSE guidelines, industry best practice and standard operating procedures.

Is there an assessment?

Once you have completed the course, you will be asked a series of questions to check your knowledge and understanding. These are based on the learning objectives for the course and have a pass mark of 80%.

Learning Objectives:

• Know the basic principles of the Turbo Expansion Process
• Know the critical conditions associated with the Turbo Expansion Process
• Know the basic operation of a Turbo Expander