

ePOH (eHTG) Principles of Hydraulics – on-line Learning

This is an introductory on-line web based training course comprised of 13 modules covering material ranging from an introduction to the physical principals of hydraulics to the function and properties of a variety of hydraulic components and the structure of hydraulic diagrams.

Target audience -

People interested in hydraulics, machine operators, maintenance and assembly personnel, people involved in the planning of industrial and mobile hydraulic systems, design engineers will gain a thorough overview of the basics of hydraulics.

What you will learn –

- Understanding the basic structure of a hydraulic system
- Understanding the function and operation of selected hydraulic components
- Reading and preparing hydraulic schematics
- Understanding technical documentation and symbology (ISO1219, data sheets ...)
- Understanding how to work with typical hydraulic components and systems

Contents -

- Hydraulic systems in general
- Properties of hydraulic systems
- Structure and function of a hydraulic system
- Physical basic principles and their meaning in hydraulics
- Symbols according to DIN ISO 1219
- Hydraulic fluids
- Hydraulic pumps, motors and cylinders
- Control technology (check, directional, pressure and flow control valves)
- Simple circuit diagrams

Today, on-line or computer based training is an effective way of learning. Special benefits include the freedom to choose the time and place, unlimited repeatability, individual pace of learning and interactive content make this method an indispensable study tool.

The ePOH course is comprised of 13 study modules containing over 600 pages of information and takes approximately 25-30 hours to complete. Each module contains multiple quizzes and upon passing final tests the user is able to print a certificate of completion allowing the user to participate in more advanced Rexroth training seminars.

This course may be supplemented with an instructor led hands-on intensive 3-day POH@ offering. This provides the best of both theoretical and practical training.

Prerequisites: PC with internet access and an email address.