Hydraulics Laboratory



Contents

- Set-up and function of a hydraulic system and typical components of industrial hydraulics
- Physical bases and their laws in fluid technology
- Symbols according to DIN ISO 1219
- Hydraulic pumps, hydraulic motors and cylinders
- Control technology (isolator, directional, pressure and flow control valves)
- Reading and understanding circuit diagrams

Learning targets

- Understanding the basic set-up of a hydraulic system
- Understanding the function and set-up of selected hydraulic components
- Understanding circuit diagram functions
- Effectively using technical documentation (data sheets, DIN ISO 1219, etc)
- Handling hydraulic systems during planning and in the operational everyday life
- Criteria for the planning and design of hydraulic systems