



PD764

Positive Displacement Hydraulic Pumps and Actuators

Day 1

- Hydraulic Systems Overview
 - Power Transmission and Motion Control System Selection Criteria
 - Classification and features of Fluid Power Systems
 - Basic Concepts Review (Mechanics, Physics, Fluid Mechanics, and Hydraulics)
- Hydraulic Component Sizing Calculations
 - Forward Path: Energy Losses
 - Backward Path: Energy Accumulation and Component
- Hydraulic Reciprocating Actuators

Day 2

- Hydraulic Pumps and Motors
 - Basic Function of Hydraulic Pumps/Motors
 - Classification of Pumps/Motor
 - Hydrostatic versus Hydrodynamic Pumps/Motors
 - Fixed versus Variable Pumps/Motors
 - Similarities and Differences between Pumps and Motors
 - Efficiency Prediction for Pumps and Motors.
 - Construction and Operating Principles of Positive Displacement Pumps and Motor.