

Hydraulic Pump Adjustment

HPU - Main Pump Tuning Procedure

The course covers the adjustment procedure of the main pumps in the Hydraulic Power Unit (HPU) for the HMH Ram Rig and Hydraulic Drawworks (DW). The course takes place in the Technical Training Laboratory (TTL) in Kristiansand, Norway, where the adjustment is executed on an actual variable axial piston pump through a computer in the lab. Hands-on training on a live system provides good practice and understanding of the procedure.

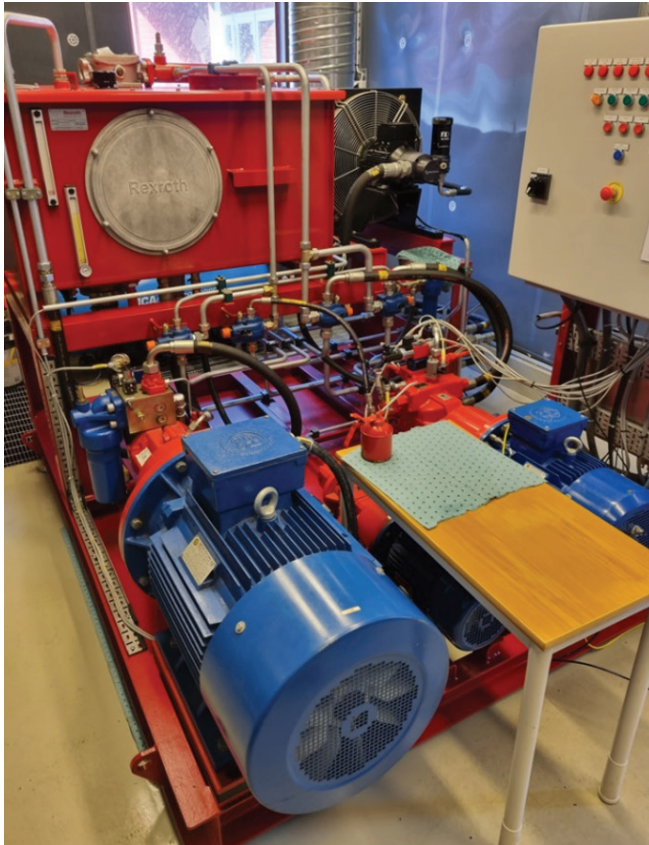
Course goal

The learning goal of the course is to give the students understanding of the HMH HPU hydraulic pump adjustment procedure and understand how to electrically adjust the pump.

Course topics

The main topics for the course are:

- HSSE
- Mechanical and electrical setup
- Adjustment of the servo valve and pump
- Parametrization in BODAC (Bosch Rexroth Operator Interface for Digital Axis Controller) software and DrillView
- Automatic zero adjustment of the pump
- Saving BODAC and DrillView parameters



Course duration

1 day

Course capacity

Maximum 2 participants

Target group

Technical personnel

Prerequisite skills and knowledge

The students are expected to have basic operational and technical understanding and are expected to understand technical English.

