

**MRS**

**Maintenance, Repair and Set-up of Industrial Hydraulics – 5 days**

Maintenance personnel learn proper methods of maintenance and troubleshooting

**What you will learn –**

- Logical schematic reading and interpreting
- Why hydraulic systems get hot & what to do about excessive heat
- Hydraulic fluid cleanliness and condition standards
- Understanding relief valves – disassembly, inspection, assembly, testing
- Understanding reducing valves – disassembly, inspection, assembly, testing
- Understanding directional control valves – disassembly, inspection, assembly
- The use and setup of pilot chokes for pilot operated directional controls
- Controlling pilot pressure with pilot operated directional controls
- Troubleshooting exercises to develop troubleshooting skills
- Understanding variable displacement pumps - understanding basic pressure regulating controls – setup and commissioning
- Review fundamental circuits used in many industrial systems and learn to setup
- Knowledge reinforcement with hands-on lab exercises

This is a 2nd level industrial hydraulics training course. This training course is a logical next-step seminar after BIH for your understanding of industrial hydraulics. It is recommended for plant maintenance personnel who have responsibility for the proper upkeep of industrial hydraulic systems. Students work in the classroom and in the lab to develop their hydraulic component and circuit understanding. This seminar will address methods for correcting some hydraulic shock related problems and the elimination of external leakage problems.

**Prerequisites:** BIH or equivalent

More than 50% lab and student work exercises