



MRS

Maintenance, Repair & Setup of Industrial Hydraulic Systems

5-Day Course

Maintenance personnel learn proper methods of maintenance and Troubleshooting

What you will learn –

- Logical schematic reading and schematic interpretation
- Why hydraulic systems get hot and what to do about excess heat
- Hydraulic fluid cleanliness and condition standards
- Understanding relief valves – disassembly, inspection, assembly, testing
- Understanding pressure reducing valves – disassembly, inspection, assembly, testing
- Understanding directional control valves – disassembly, inspection, assembly, testing
- Understanding the various forms of hydraulic related shock and problems it causes
- External fluid leaks and how to eliminate them
- Directional control pilot chokes – slow shift directional control valves
- Controlling pilot pressure with pilot operated directional control valves
- Troubleshooting exercises to develop efficient hydraulic diagnostic skills
- Understanding variable displacement pumps – understanding pump pressure type pump controls
- Pump replacement, commissioning and control setup
- Review fundamental hydraulic circuits used in most hydraulic systems –operation and setup
- Knowledge reinforcement with hands-on lab exercises

This is a 2nd level industrial hydraulics training course developed for the maintenance technician. This training course is a logical next-step seminar after FOH for your understanding of industrial hydraulics. It is recommended for plant maintenance personnel who have responsibility for the proper upkeep of industrial 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: FOH or prior formal industrial hydraulics technology training required for enrollment in MRS

More than 50% lab and student work exercises

Contact Sharon Strange for Tuition Cost (*it includes: student materials, text book, daily lunch & refreshments*)

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