Certified Technician Workshop

To be held at Peerless Pump Company - Indianapolis, IN

Register Today! This course fills quickly.

This workshop is intended for and is focused towards Shop Technicians, Shop Mechanics, Shop Engineers, Field Service Technicians, and Aftermarket Sales Engineers in expanding their understanding of the aftermarket aspects of the industry. Pump upgrading and related techniques are explained throughout with the combination classroom and hand's on workshop.

Workshop Outline:

- *An Understanding of Centrifugal Pump Installation, Start Up & Shut Down, Maintenance, Repair Procedures, Reliability Issues & Failure Analysis.*
- *Familiarity with horizontal split case, end suction, and vertical turbine pumps*
- *Pump Safety Procedures- Risk Management*
- *Understand hydraulic loads created by the pump*
- *Understand the mechanical design issues to determine root cause failure analysis*
- *Understand and use pump curves to determine root cause failure analysis*
- *Become familiar with the factory assembly & disassembly procedures*
- *Lubrication Options- Bearing Failure Analysis*
- *Wear related failures*
- *Metallurgical Failures: Getting the Right Materials*
- *Life Cycle Cost Factors*
- *Reliability and Life Extension Factors*
- *Parts Identification and Interchangeability Knowledge*

Registration:

Course Details

Fee: See registration form for details

Length:
3 day course
(8:00am - 5:00pm)

Starting Monday & Ending Wednesday

Workshop Location:
Peerless Pump
2005 Dr. Martin Luther King Dr
Indianapolis, IN 46202

Dress Attire:
Casual, Shop Clothes

Lodging:
Hampton Inn - Downtown, Indianapolis
105 S. Meridian Street
Indianapolis, IN 46225

Transportation:
From Hampton Inn to factory is provided by Peerless Pump Company

An Opportunity to Participate in the Following Work Groups:

- *Best Practices- Installation, Alignment, Piping, and Foundations*
- *Factory Inspection Checklists & Report Formats*
- *Trouble Shooting Diagnostics- Root Cause Failure Analysis*
- *Start Up & Shut Down Procedures*
- *Balance & Vibration Technical Discussion*
- *Sealling Options: Packing, Mechanical Seals with & without flush*
- *Upselling - Parts & Service*

Agenda Highlights:

- *Review of Agenda and Prioritize Workscopes*
- *Pump Hydraulics - Properties of Fluids I & II*
- *Pump Design Types, Selection and System Characteristics*
- *Pump Safety Procedures- Risk Management*
- *Horizontal Split Case Pump Technical Discussion*
- *Assembly & Disassembly Techniques of Horizontal Pumps, End Suction (F & C) Pumps, ANSI & Slurry (8196 & 8175) pumps, Vertical Turbine pumps, and Hydroconstant Pumps*
- *Installation & Alignment Techniques and Checklist*
- *F & C Pump Technical Discussion*
- *8196 and 8175 Process Pump Technical Discussion*
- *Horizontal Pumps vs. Vertical vs. End Suction Pumps – Why One vs. the Other?*
- *Vertical Turbine Pump Technical Discussion*
- *Vertical Pump Fault Finding*
- *Inspection Checklists & Reports*
- *Installation & Alignment Demonstration*
- *Start Up & Shut Down Procedures*
- *Trouble Shooting Diagnostics- Root Cause Failure Analysis*
- *Vertical Turbine Rebowl Procedures & Guidelines*
- *Balancing & Vibration Technical Discussion*
- *Hydroconstant Technical Discussion*
- *Upselling: Parts & Service*
- *Reliability and Life Extension Factors*
- *Wrap Up & Discussion & Action Plan*