

3-DAYS of HANDS-ON TRAINING



PRECISION MAINTENANCE **SKILLS 3**

PUMP HYDRAULICS, MECHANICAL SEALS, TROUBLESHOOTING & OPERATIONS/INSTALLATION

LAS VEGAS, NV | APRIL 22-24, 2025

COURSE DESCRIPTION: Pump Hydraulics & Mechanical Seals- Troubleshooting and Operations / Installation:

In this 3-Day Course, you'll learn how to operate & troubleshoot pumps! Even more important, you will understand how they should run trouble free for 100,000 hours (instead of the 10,000 to 30,000). You will use training aids, such as a cut-away pump, real pump parts, seals, and real casings & impellers.

TOPICS: The course is designed for operation and maintenance people where they are given many different operating and troubleshooting scenarios, both correct and incorrect, including these subjects:

- Opening and closing various valves to create real life in field and plant conditions
- Troubleshooting & corrections to operate pumps on their pump curve
- De-"mystifying" Pump Curves so the average mechanic/supervisor can troubleshoot
- Proper starting and stopping procedures with proper flows
- Troubleshoot and correct common field problems that most people "guess wrong"
- Packing, sealing, and gland water issues corrected
- Vibration issues understood and solved
- Water hammer issues
- Other common pump problems and solutions
- Vital Rebuild/Repair Techniques and "watch for's"
- Upon completion of this course, participants will know how to operate & troubleshoot pumps
- ***Certificate issued upon course completion***

RECOMMENDED AUDIENCE: Maintenance and Construction Craftsmen, Apprentices, Front-line Supervisors, Project & Reliability Engineers, Maintenance Managers, & Superintendents, Operations Personnel and significant others implementing plant reliability improvement.

***No prerequisite required;** Hendrix trainings have been strategically designed allowing participants to take in any order

LOCATION City of Henderson
Department of Utility Services
450 E. Galleria Drive, MSC 819
Henderson, NV 89011

DATES/TIME April 22-24 (Tues-Weds)
7:30AM- 4:30PM (PST)

COST \$ 2,595.00/ seat

*Breakfast & Lunch provided daily

REGISTER / QUESTIONS CONTACT:

BETH DESIMONE
Hendrix Training Coordinator
(978) 609-2401
bdesimone@hendrixpm.com



www.PrecisionMaintenance.com