[ACR] Pump Hydraulics

Learning Objectives

This course reviews hydraulic basics as well as pump conditions, horsepower, pressure, and system curves.

- Describe the use of pump curves to assess operational conditions
- Calculate capacity, total dynamic head, horsepower, efficiency and required net positive suction head using pump curves
- Calculate water, brake, and wire horsepower
- Define NSPH (Net Positive Suction Head)
- Utilize affinity laws to calculate the effects of pump speed and impeller diameter changes on capacity, head, and horsepower requirements.

Training Methods

Our training methods that will be applied, are interactive learning through the videos displayed on our website, WaterLMS. Attendees will have to take quizzes and tests, as well as being interactive throughout the whole duration of the course. They can not skip forward, and is required to be active for the duration of the course, being able to get the full experience out of our courses and prepare them for the real duties they will encounter.

Courses can be taken in a learning plan, all together or be taken individually.

Course Content

- Pump Hydraulics

Course Outline

1.	*Pump Hydraulics*	*2 hrs*
Self- Paced		*Total 2 hrs*

Student Assessment

Upon class completion, students will be tested using an open question & answer session, to ensure there is a general understanding of the materials presented during the course.

Instructor Bio:

Is strictly online, so no instructor is needed.

Please reach out if you have any questions, or is wanting to take the course yourself, to provide a better understanding of the ones we provide.