

PRINCIPLES OF CENTRIFUGAL PUMPS

OVERVIEW

Pumps are the hearts of any industrial plant. Operation disruption will result in loss of production in the manufacturing plant. Not knowing how to prevent pump failure is simply a matter of not having the necessary knowledge.

Some common pump problems are :

- My pump isn't delivering enough water.
 - It doesn't matter what seal I use, it fails every 3 months.
 - We can't seem to stop the cavitation.
- etc., etc., etc.

If you are in the kind of plant where repetitive pump failure is causing ongoing problems like lost production, expensive downtime, environmental difficulties and excessive maintenance costs....., you need to know that pump problems have very practical solutions and the repetitive failure can be stopped.

A centrifugal pump is not designed to develop one head at a single capacity. A pump is designed and produced to supply a whole range of head-capacity conditions as identified on its performance curve. For all practical purposes, the system controls the pump. To understand how a pump works, we need first to understand the Pump Performance Curve.

TARGET MARKET

All levels of technical staff who are involve in the operation , maintenance and installation of pump and its piping system as well as those who are interested to deepen their knowledge about the subject.

COURSE OUTLINE

- Pump fundamentals
- System head calculation
- Pump performance curve
- More about pumps
- Net positive suction head
- Pump problems and others

OBJECTIVES

At the end of the course, participants will be able to understand and appreciate the importance of the following:

- Learning the pump performance characteristics
- Selection and sizing of centrifugal pump and piping system
- Recommended practice on pump in installation
- Common pump problems and practical solution

SBL CLAIMABLE



If you have any enquiries, please contact:

+60 (3) 5621 3630 or email:

info@comfori.com