

Hydraulic Transmission

Introducing

Description

The course consists of 2 parts :

- Technical analysis of hydraulic components (pumps, motors, cylinders and distribution devices).
- Analysis and synthesis of hydraulic systems: Sources - distribution - transformation architecture of hydraulic power, sizing and selection of the various components.

Objectives

The apprentice must be able to:

- define a hydraulic system architecture (integrator approach),
- pre-size and select its components, evaluate its performance (designer approach),
- take into account phenomena linked to real (viscous) fluids,

Necessary prerequisites

power, efficiency.

Évaluation

L'évaluation des acquis d'apprentissage est réalisée en continu tout le long du semestre. En fonction des enseignements, elle peut prendre différentes formes : examen écrit, oral, compte-rendu, rapport écrit, évaluation par les pairs...

Practical info

Location(s)

 Toulouse