

Centre Universitaire Mila

Département des Sciences et Techniques

Spécialité: Hydraulique Urbaine

Module : Anglais technique et terminologie

Lecture 02

Introduction To Hydraulics

The term hydraulics is derived from the Greek word “Hydros” which means “water”. It was in the 17th century hydraulics, as we know it, came into use. Based upon a principle discovered by the French scientist Pascal, it relates to the use of fluids in transmitting power.

Hydraulics is a branch of science which is concerned with the practical applications of fluids, primarily liquids, in motion. It is related to fluid mechanics, which in large part provides its theoretical foundation. Hydraulics deals with such matters as the flow of liquids in pipes, rivers, and channels and their confinement by dams and tanks. Some of its principles apply also to gases, usually in cases in which variations in density are relatively small.

Consequently, the scope of hydraulics extends to such mechanical devices as fans and gas turbines and to pneumatic control systems.

Ms. Bouhaddad

Questions: read the text carefully and answer the following questions:

1. What the text is talking about?
2. Find out three or four key words.
3. Who discovered the hydraulic principle?
4. What does this principle relate to?
5. What is hydraulics?