

FATIGUE TEST PROCESS

Aquarèse has developed processes in line with the development - in the automobile industry - of HDI (High Diesel Injection) diesel engines based on the Common Rail principle (direct high-pressure injection). Fatigue testing is one of these.

Objectives

- To test hollow parts submitted to pressure cycles
- To age hollow parts artificially in order to test their service life under fatigue

Principle

Pressure cycling up to 25 Hertz to artificially age the parts to be tested.

Application fields

- Automobile industry

