

Physics 1114 - General Physics I

Quiz #24 - 2012.07.23

Solutions

1. What determines the efficiency of a heat engine?

The efficiency of a heat engine is determined to be the ratio of work done by the engine to the heat input of the engine.

2. What does is the main difference between the Otto cycle and the Diesel cycle?

In the Otto cycle, at the beginning of the compression stroke there is a mixture of air and fuel in the cylinder. For the Diesel cycle, there is only air in the cylinder at the beginning of the compression stroke.