

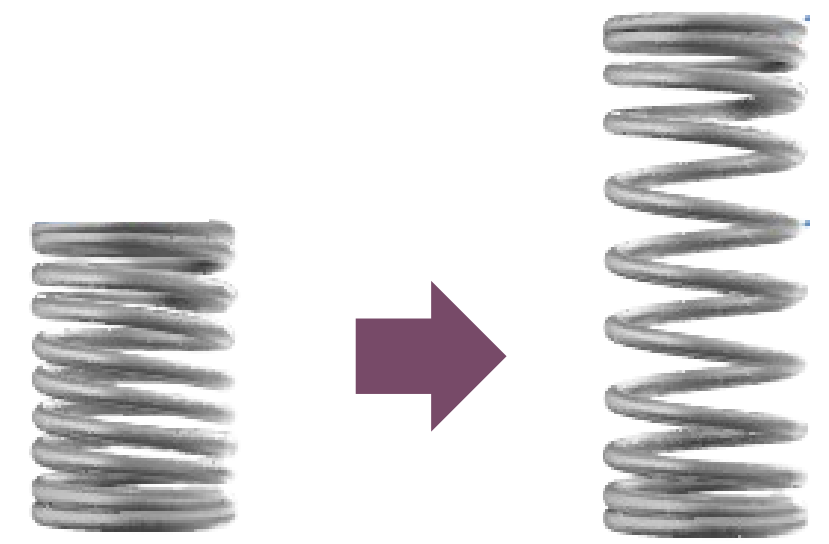
# Stored Energy

*There are many different forms of energy which, if uncontrolled, can be hazardous.*

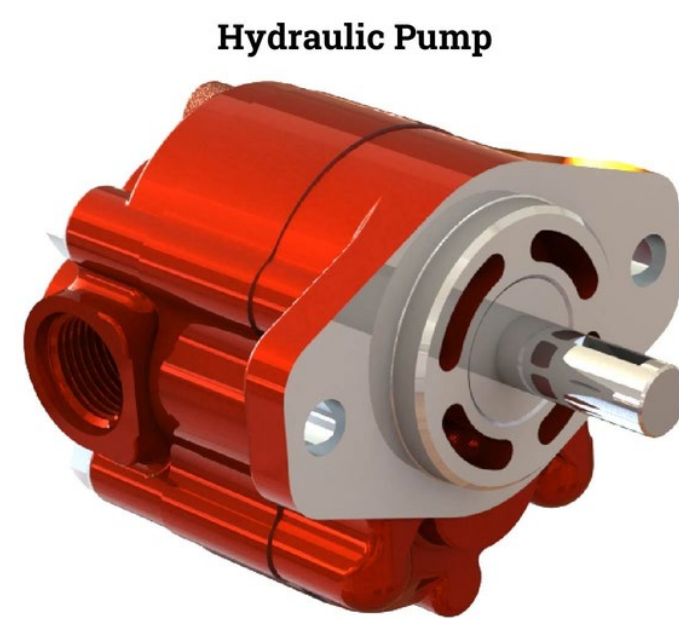
Energy that isn't obvious often poses the biggest threat. This energy usually exists as stored, or potential, energy.

## Common Types of Stored Energy

**Mechanical** energy is stored in an item under tension, like a coiled or compressed spring that will release stored energy in the form of movement when the spring expands.



**Hydraulic** energy is stored within a liquid or pressurized by an outside source. When under pressure, the fluid can be used to move heavy objects.

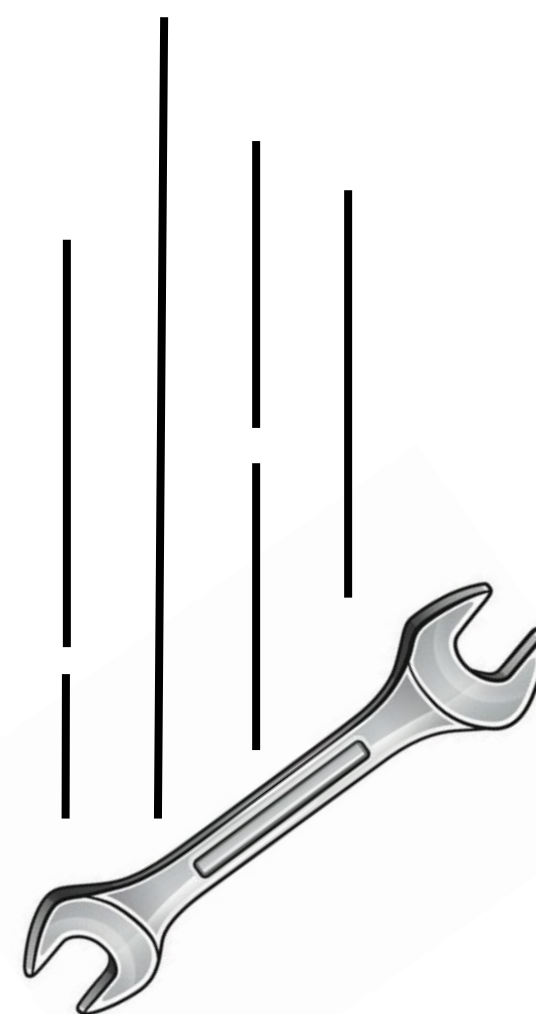


Hydraulic Pump

**Pneumatic** energy is stored within pressurized air, which can also be used to move heavy objects.



**Gravitational** energy is related to the mass of an object and its distance from the ground when it is put in motion. The heavier the object, and the further it is from the ground, the greater its gravitational energy.



**Chemical** energy is released when a substance undergoes a chemical reaction. The energy normally is released as heat, but could be released in other forms, such as pressure. A common result of a hazardous chemical reaction is fire or explosion.

