

1. Proof pressure is the level of pressure at which a component, pipe, tube, hose, or other fluid passage will not yield during application of internal pressure. This pressure is normally _____ times the working pressure.

- A. 1.25
- B. 1.5
- C. 2.0
- D. 2.75

2. The weight of the typical oil used in hydraulic systems is heavier than water.

- A. true
- B. false

3. Which of the following is the normal number of backup rings on a single o-ring seal for a piston in a double acting cylinder?

- A. 0
- B. 1
- C. 2
- D. 3

4. Hydraulic fluids must have extreme pressure (EP) and anti-wear additives to prevent excessive wear due to boundary lubrication.

- A. true
- B. false

5. Which of the following are the two (2) types of energy that occur in a hydraulic system?

- A. dynamic and force
- B. potential and kinetic
- C. flow and potential
- D. kinetic and velocity

Answer key

1. b 2. b 3. c 4. a 5. b