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Course/Yr.: BEET 4 C

EET 411 Electro Pneumatics

VII. Self-evaluation

Answer the following question:

1. Fluid power system using liquid are hydraulic system.

2. Fluid power system using gas are pneumatic system.

3. Fluid compressibility is the inherent characteristic that produces the difference between hydraulic and pneumatic systems.

4. Hydraulic systems operate at much higher pressures, requiring the use of stronger materials and more-massive designs to withstand the pressure.

5. Pneumatic systems operate at much lower pressures and, therefore, can be manufactured using lightweight materials and designs that minimize the amount of material.

6. The three power transfer systems commonly used today are Fluid power, mechanical and electrical.

7. The basis of fluid power is pressurized fluids. These fluids may be either liquids or gases.

8. Clean operation with minimum fire hazards are characteristics of which fluid power system(s)?

- both hydraulic and pneumatic systems

9. What fluid power system is compressible?

- pneumatic systems

10. What fluid power system is incompressible?

-Hydraulics Systems