

433A Practice Test Questions and Answers

1. What is induced soft foot?

- A) Soft foot caused by a bent machine foot
- B) Soft foot caused by external forces such as pipe strain or coupling lock-up that distort the machine frame
- C) Soft foot from using wrong shim material
- D) Soft foot from loose foundation bolts

2. What is an air-over-oil system?

- A) A system that uses oil-free air
- B) A system that uses compressed air to pressurize a closed oil circuit, providing smooth hydraulic-like cylinder control with pneumatic power
- C) A system for drying compressed air
- D) A cooling system for the compressor

3. What is bore alignment used for?

- A) Aligning coupled shafts on a pump
- B) Verifying the alignment of bearing bores along a long machine train or multi-bearing equipment
- C) Checking the bore of a coupling hub
- D) Measuring bearing clearances

4. What is a pneumatic logic circuit?

- A) A circuit that uses only electrical logic
- B) A control circuit that uses pneumatic signals (air pressure/vacuum) instead of electrical signals to perform AND, OR, NOT, and other logic functions
- C) A circuit diagram for a compressor
- D) A method of testing air quality

Answers: 1-B 2-B 3-B 4-B

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