Intro to Pneumatic Components 125

This class presents an overview of basic pneumatic system components, including the physical properties of air and the complex system of parts and controls in a standard air compressor.

To complete the writing assignments in this course, follow the specific directions of your instructor. Usually, you will be directed to type your final report, single spaced, in a Word document, and submit the file electronically to be graded. All submissions should include a stacked, four-line personal heading in the top left corner, which includes your full name, course name, report number, and full date.

Paragraphs do not need to be indented, but there should be a double space between paragraphs. The final draft should be written with complete sentences and carefully edited to correct errors in spelling, grammar, and punctuation/capital letter use. Reports should be at least 200 words long, unless otherwise directed.

Writing Assignment

You are attempting to use a standard air compressor to operate a nail gun to complete a construction project. The compressor runs, but the air-nailer does not seem to have enough compression to insert framing nails. Compose a *multi-paragraph* report in which you explain your process for figuring out what is wrong with the air compressor. Use correct terminology regarding the parts of the compressor, and include at least *four* areas you would check for possible problems.

Writing tips

We all have plenty of opportunities to solve simple and complex "problems" in the workplace, and in life. A skill most employers look for in an employee is the ability and willingness to think through a problem till a solution is found.

Everyone has his or her own process, but effective problem solvers usually (1) gather as much information as they can, (2) look at the problem from as many angles and possible, (3) start with simple solutions first, then move to more complicated ones. Also, problem solvers will seek advice from learned resources—people or credible printed sources—and ultimately attempt a "fix," and observe what happens. Remaining calm, rather than becoming frustrated, is also an effective strategy.

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