Power Transmission Components 120

This class gives an overview of specific components in power transmission, including gears, belt and chain drives, clutches, couplings, bearings. More advanced concepts of prime movers and linear motion are introduced.

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

The basic requirement of gears is that they work together to produce a positive result. Gears must mesh together, no matter their size. If they don't, the whole machine grinds to a halt. In a way, this description can be applied to how workers within the same business work together for a common goal. In a short report, explain *three* factors or elements that must be present for workers to work together in the most efficient way. For instance, your instructor believes it is important that all workers understand that everyone's job is important in the big picture, and that all workers should be treated with respect. Identify and explain your three "factors" in three separate, well-developed paragraphs.

Writing tips

Sentences are written in a variety of lengths and structures. Much can be said in a short, simple sentence. Other times, multiple related ideas can be combined into an effective sentence. For example, this sentence contains a simple series of three items, separated by commas—"A clutch is used to gradually stop or start the transfer of power, speed, and torque from a prime mover to a load." The use of a series like this is a handy tool for writers, as long as the series remains easy to read and understand.

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