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Efficiency of Air-Cooled vs Oil-Cooled Alternators, Translates into Lower Operating Cost for your Fleet

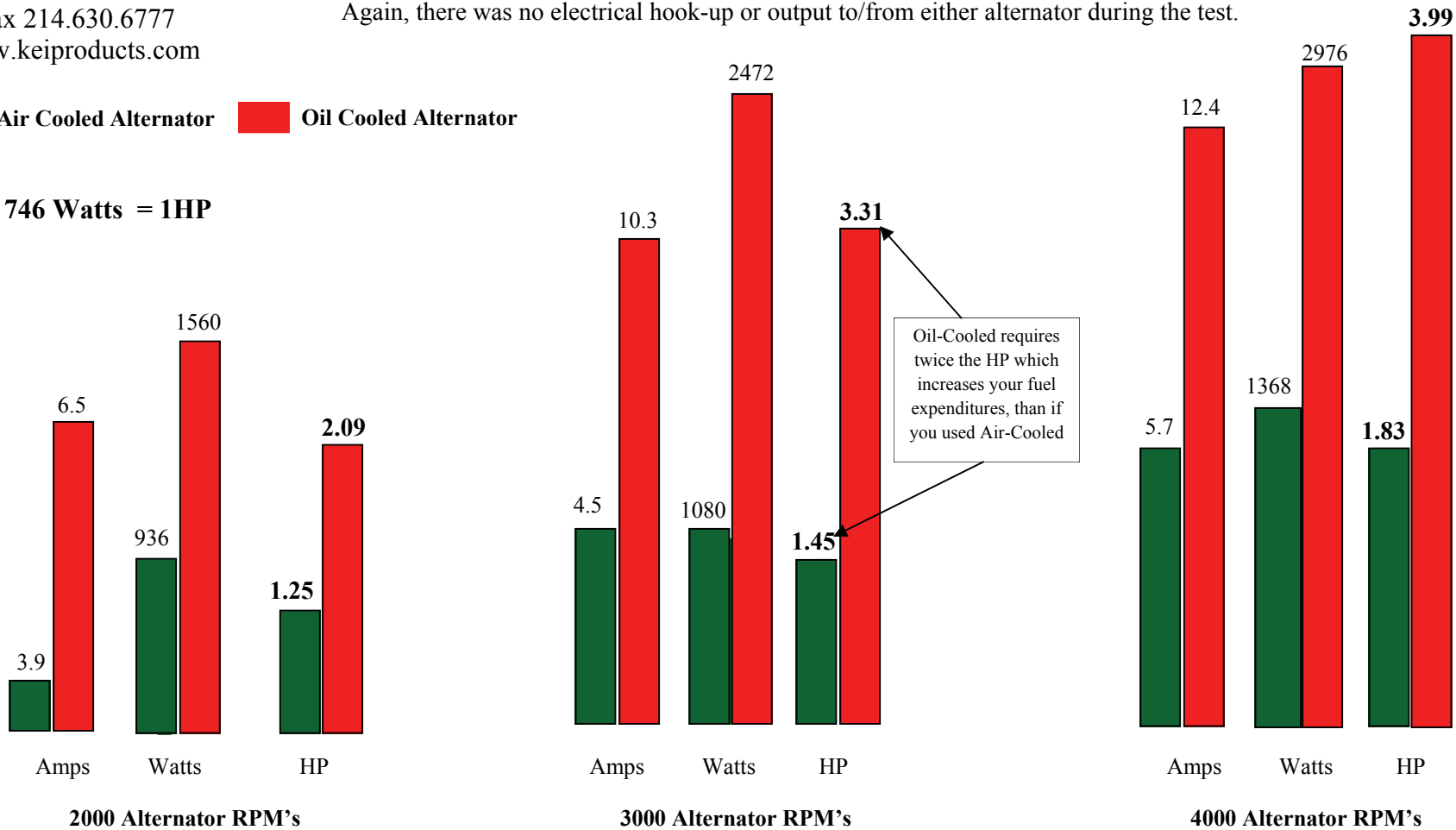
Important Facts

The Air-Cooled alternator and the Oil-Cooled alternator were put on a Crumbliss alternator tester and spun at various RPM's. By measuring the amps it takes to spin each alt you are able to see the Horsepower (HP) usage requirement of each alternator. The Air-Cooled and Oil-Cooled alternators were not hooked up electrically, but merely spinning at the same RPM to measure drag on the fan and rotor on the Air-Cooled, and the rotor rotating in the oil, on the Oil-Cooled.

Again, there was no electrical hook-up or output to/from either alternator during the test.

■ Air Cooled Alternator ■ Oil Cooled Alternator

746 Watts = 1HP



Note: The lower the number on the Chart, the more efficient the alternator. Its like trying to run in a swimming pool, the fluid (water) creates resistance, requiring you to expend more energy (Fuel) to cover the same distance, than if you were running on the ground.