Name(s)	Project Number
Zackary Liles	**J2118**

Project Title

Does Price of Two Stroke Oil Affect RPM's?

Abstract

Objectives/Goals

To determine if a more expensive two-stroke oil produces more RPM's than a cheaper oil. I chose this project because I want to be able to go the fastest I can and know if the extra money is actually worth it.

Methods/Materials

In my experiment I will be using two stroke oil and a Trailtech Vector Computer. I am using two-stroke oil in my project to find out if the more expensive two-stroke oil is actually worth it. I am also using a Trailtech Vector Computer Kit in my experiment to track how many RPM's my motorcycle is producing. I will be running the motorcycle at half throttle in second gear and recording the RPM's using the Trailtech computer. During my experiment I will be using Chevron brand gasoline. I am using Chevron gasoline because I want the gas that I use to be consistently at 91 octane level. I will be using the gas to mix with the two-stroke oil to start and run the motorcycle. All experimental procedures will take place with adult supervision (my dad). I am also using proper safety equipment (helmet, gloves, and pads). All used oil will be taken to a local automotive store for proper disposal.

Results

Price does matter to a slight degree.

Conclusions/Discussion

Price of two-stroke oil does affect the RPM"s produced. The more expensive oils produced on average more RPM's (but not by a lot).

Summary Statement

to determine if a more expensive two-stroke oil produces more RPM's than a cheaper oil.

Help Received

my dad for safety procedures