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### **Intelligent Tire Testing Now Available for All Race Teams** **OptimumG Offers Low-Cost Option for Automotive Engineers**

The acquisition and analysis of data is an essential component when designing and manufacturing any vehicle. As the only elements of the car in contact with the ground, tires are the most important component of your vehicle. Intelligent use of tire data helps to quickly and accurately design and set up a car.

There are a number of ways to obtain useful tire data. The vehicle dynamics consulting group, [OptimumG](#), has created an [introductory tire testing program](#) for those teams who quickly need to obtain a tire model and data analysis, but may not have the time to research and develop a strategy that works best for them. By partnering with tire testing facilities, OptimumG is able to offer a low-cost and fast solution for teams in need of tire data and its analysis, and a tire model.

As an [introductory package](#), OptimumG will extract data from three front tires and three rear tires through a pure cornering test and combined test. Our engineers will then send back the data and a Pacejka tire model, along with the following analysis:

- Lateral cornering stiffness (vs. Camber/Load/Pressure)
- Longitudinal slip stiffness (vs. Camber/Load/Pressure)
- Vertical tire stiffness (vs. Camber/Load/Pressure)
- Lateral and Longitudinal coefficient of friction
- Effects of inflation pressure and camber
- Theoretically preferred Ackerman and setup consideration

Personalized tire data packages can be arranged for those teams that need more information. For more information, contact R&D Engineer Henning Olsson at +1 303 752 1562 or [henning.olsson@optimumg.com](mailto:henning.olsson@optimumg.com).

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*OptimumG is an international vehicle dynamics consultant group that works with automotive companies and race car teams to enhance their understanding of vehicle dynamics and data acquisition through seminars, consulting and software development.*