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第19届中国轮胎技术研讨会论文

Correlation between Vehicle Fuel Economy and Tire Rolling Resistance

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Abstract: Through sliding test and fuel consumption experiment at constant speed, the effect of rolling resistance of passenger car radial tires from different brands but with the same size on the fuel consumption was investigated. Motor energy flow analysis method was adopted to establish the relationship between rolling resistance and automobile fuel consumption, and then the factors influencing fuel economy were quantitatively analyzed and the energy saving potential of the tire was explored, which was of great significance to improve the fuel economy of the whole vehicle.

Key words: passenger car radial tire; rolling resistance; fuel economy; sliding test; fuel consumption experiment with constant speed; energy flow

普利司通在法国通过收购 扩展其零售足迹

中图分类号: U463.341 文献标志码: D

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