

Technical Report Documentation Page

1. Report No. UMTRI-2012-27		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle 近期汽车燃油经济性的改善对整体油耗和排放的好处				5. Report Date October 2012	
				6. Performing Organization Code 383818	
7. Author(s) Michael Sivak and Brandon Schoettle				8. Performing Organization Report No. UMTRI-2012-27	
9. Performing Organization Name and Address The University of Michigan Transportation Research Institute 2901 Baxter Road Ann Arbor, Michigan 48109-2150 U.S.A.				10. Work Unit no. (TRAIS)	
				11. Contract or Grant No.	
12. Sponsoring Agency Name and Address The University of Michigan Sustainable Worldwide Transportation				13. Type of Report and Period Covered	
				14. Sponsoring Agency Code	
15. Supplementary Notes The current members of Sustainable Worldwide Transportation include Autoliv Electronics, Bridgestone Americas Tire Operations, China FAW Group, General Motors, Honda R&D Americas, Meritor WABCO, Michelin Americas Research, Nissan Technical Center North America, Renault, Saudi Aramco, Toyota Motor Engineering and Manufacturing North America, and Volkswagen Group of North America. Information about Sustainable Worldwide Transportation is available at http://www.umich.edu/~umtriswt.					
16. Abstract <p>我们已经计算出（按月）在过去的几年中所有售出轻型车辆（轿车，皮卡车，面包车，越野车）销售加权的平均燃油经济性。结果表明，从2007年10月至2012年9月，平均燃油经济性提高了18%，从20.1英里每加仑增长为23.8英里每加仑。这个结果说明整体油耗和车辆排放的废气得以改善。</p> <p>由于燃油经济性的改进，自2007年10月的汽车销量累计节省了共约61亿加仑的燃料，相当于到目前的美国所有的车辆约13天总消费量。这总尾气减排量相当于约1200亿磅的二氧化碳排放量。</p> <p>至于近期的减排量,上个月-2012年9月-共减排0.293亿加仑的燃料-或约57亿磅的二氧化碳。这些节约相当于当前道路上所有轻型车辆约2.9%的平均每月燃料消耗和二氧化碳的排放量。</p>					
17. Key Words 车辆的燃油经济性，车辆尾气排放，燃料消耗，近期的发展趋势				18. Distribution Statement Unlimited	
9. Security Classification (of this report) None		20. Security Classification (of this page) None		21. No. of Pages 7	22. Price