Now Is the Time for an Axle Lubricant Efficiency Standard
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• Establishing The Need - Military

  – “Overall, the military consumes about 1.2 million barrels, or more than 50 million gallons of fuel, each month in Iraq…” ArmyTimes -The Associated Press, Posted: Thursday Apr 3, 2008

  – In 2006 military ground vehicles consumed over 215 million gallons of fuel, excluding Abrams M1 main battle tank. Recent economic analysis performed by TACOM

Stryker Combat Vehicles on patrol in Iraq.

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– Defense Energy Supply Center (DESC) buys fuel on the open market paying from $1.99/gallon to $5.30/gallon. 


– Fuel comprises 70% of the Army tonnage shipped. Of the top 10 battlefield fuel consumers, 4 are supply transport vehicles (#1, 3, 4, and 8). The Defense Science Board Task Force On Improving Fuel Efficiency of Weapons Platforms, January 2001

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• Establishing The Need – Commercial

  – Corporate Average Fuel Economy (CAFE)
  – Emissions Standards
  – Climate Change
  – Customer Demand and Satisfaction
  – Increasing Fuel Demands from China, India, and Others
The Army is interested in working with SAE TC-3 membership to develop an axle lubricant efficiency test for light-duty and heavy-duty applications which can be implemented as part of SAE J2360.