

SAE International Journal of Fuels and Lubricants
 Volume 9, Issue 3 (November 2016)
 Table of Contents



Simulation and Optical Diagnostics to Characterize Low Octane Number Dual Fuel Strategies: a Step Towards the Octane on Demand Engine (2016-01-2164)	443
Guillaume Pilla, Rajesh Kumar, Olivier Laget, Loic De Francqueville, Roland Dauphin, and Jean-Pascal Solari	
Compositional Effects of Gasoline Fuels on Combustion, Performance and Emissions in Engine (2016-01-2166)	460
Ahfaz Ahmed, Muhammad Waqas, Nimal Naser, Eshan Singh, William Roberts, Sukho Chung, and Mani Sarathy	
An Investigation on the Ignition Characteristics of Lubricant Component Containing Fuel Droplets Using Rapid Compression and Expansion Machine (2016-01-2168)	469
Masaharu Kassai, Taisuke Shiraishi, Toru Noda, Mamoru Hirabe, Yoshiki Wakabayashi, Jin Kusaka, and Yasuhiro Daisho	
Advanced Fuel Formulation Approach using Blends of Paraffinic and Oxygenated Biofuels: Analysis of Emission Reduction Potential in a High Efficiency Diesel Combustion System (2016-01-2179)	481
Marius Zobel, Om Parkash Bhardwaj, Benedikt Heuser, Bastian Holderbaum, Sebastian Doerr, and Jukka Nuottimäki	
Effects of Nozzle Geometry on the Characteristics of an Evaporating Diesel Spray (2016-01-2197)	493
Chengjun Du, Mats Andersson, and Sven Andersson	
Low-viscosity Gear Oil Technology to Improve Wear at Tapered Roller Bearings in Differential Gear Unit (2016-01-2204)	514
Takafumi Mori, Masanori Suemitsu, Nobuharu Umamori, Takehisa Sato, Satoshi Ogano, Kenji Ueno, Oji Kuno, Kotaro Hiraga, Kazuhiko Yuasa, Shinichiro Shibata, and Shinichiro Ishikawa	
Electrical Conductivity of New and Used Automatic Transmission Fluids (2016-01-2205)	519
Chris McFadden, Kevin Hughes, Lydia Raser, and Timothy Newcomb	
Well-to-Wheels Analysis of the Greenhouse Gas Emissions and Energy Use of Vehicles with Gasoline Compression Ignition Engines on Low Octane Gasoline-Like Fuel (2016-01-2208)	527
Zifeng Lu, Jeongwoo Han, Michael Wang, Hao Cai, Pingping Sun, David Dieffenthaler, Victor Gordillo, Jean-Christophe Monfort, Xin He, and Steven Przesmitzki	
Well-to-Wheels Emissions of Greenhouse Gases and Air Pollutants of Dimethyl Ether from Natural Gas and Renewable Feedstocks in Comparison with Petroleum Gasoline and Diesel in the United States and Europe (2016-01-2209)	546
Uisung Lee, Jeongwoo Han, Michael Wang, Jacob Ward, Elliot Hicks, Dan Goodwin, Rebecca Boudreaux, Per Hanarp, Henrik Salsing, Parthav Desai, Emmanuel Varenne, Patrik Klintbom, Werner Willems, Sandra L. Winkler, Heiko Maas, Robert De Kleine, John Hansen, Tine Shim, and Erik Furujsjö	
Formation of Intake Valve Deposits in Gasoline Direct Injection Engines (2016-01-2252)	558
Gregory Guinther and Scott Smith	
Determination of Diesel Physical Properties at Injection Pressures and Temperatures via All-Atom Molecular Simulations (2016-01-2253)	567
Abhinav Verma, Roger Cracknell, David Doyle, and Indranil Rudra	
Future Specification of Automotive LPG Fuels for Modern Turbocharged DI SI Engines with Today's High Pressure Fuel Pumps (2016-01-2255)	575
Martin Kriek, Marco Günther, Stefan Pischinger, Ulrich Kramer, Thomas Heinze, and Matthias Thewes	