

Table of Contents

June 2013; 6 (2)

Articles

- Tom Hong–Zhi Tang, Mark Devlin, Naresh Mathur, Timothy Henly, and Lee Saathoff
Lubricants for (Hybrid) Electric Transmissions
SAE Int. J. Fuels Lubr. June 2013 6:289–294; doi:10.4271/2013-01-0298
[Abstract](#) [Full Text \(PDF\)](#)

- William Barton, Daniel Jason Knapton, Mark Baker, Andrew Rose, Elizabeth A. Schiferl, Michael Huston, Gareth Brown, and Gregory Hunt
Impact of Viscosity Modifiers on Gear Oil Efficiency and Durability: Part II
SAE Int. J. Fuels Lubr. June 2013 6:295–310; doi:10.4271/2013-01-0299
[Abstract](#) [Full Text \(PDF\)](#)

- Phil Carden, Carl Pisani, Jon Andersson, Ian Field, Emmanuel Lainé, Jai Bansal, and Maryann Devine
The Effect of Low Viscosity Oil on the Wear, Friction and Fuel Consumption of a Heavy Duty Truck Engine
SAE Int. J. Fuels Lubr. June 2013 6:311–319; doi:10.4271/2013-01-0331
[Abstract](#) [Full Text \(PDF\)](#)

- Yiannis A. Leventis
Alternative Porous Media and Designs for Automotive Oil Filters
SAE Int. J. Fuels Lubr. June 2013 6:320–328; doi:10.4271/2013-01-0492
[Abstract](#) [Full Text \(PDF\)](#)

- Vitaly Y. Prikhodko, Scott J. Curran, James E. Parks, and Robert M. Wagner
Effectiveness of Diesel Oxidation Catalyst in Reducing HC and CO Emissions from Reactivity Controlled Compression Ignition
SAE Int. J. Fuels Lubr. June 2013 6:329–335; doi:10.4271/2013-01-0515
[Abstract](#) [Full Text \(PDF\)](#)

- Alexander Sappok, Ifran Govani, Carl Kamp, Yujun Wang, and Victor Wong
In-Situ Optical Analysis of Ash Formation and Transport in Diesel Particulate Filters During Active and Passive DPF Regeneration Processes
SAE Int. J. Fuels Lubr. June 2013 6:336–349; doi:10.4271/2013-01-0519
[Abstract](#) [Full Text \(PDF\)](#)

- Tak W. Chan, Eric Meloche, Joseph Kubsh, Rasto Brezny, Deborah Rosenblatt, and Greg Rideout
Impact of Ambient Temperature on Gaseous and Particle Emissions from a Direct Injection Gasoline Vehicle and its Implications on Particle Filtration
SAE Int. J. Fuels Lubr. June 2013 6:350–371; doi:10.4271/2013-01-0527
[Abstract](#) [Full Text \(PDF\)](#)

- Hai-Ying Chen, Shadab Mulla, Erich Weigert, Kenneth Camm, Todd Ballinger, Julian Cox, and Phil Blakeman
Cold Start Concept (CSC™): A Novel Catalyst for Cold Start Emission Control
SAE Int. J. Fuels Lubr. June 2013 6:372–381; doi:10.4271/2013-01-0535
[Abstract](#) [Full Text \(PDF\)](#)

- Johanna Dolch, Aaron Reek, Gerard Glinsky, Dominic Diccio, and Valerie Ughetta
Effects of 7, 9, and 10 psi Vapor Pressure Fuels on Multi-Day Diurnal Evaporative Emissions of Tier 2 and LEV II Vehicles
SAE Int. J. Fuels Lubr. June 2013 6:382–392; doi:10.4271/2013-01-1057
[Abstract](#) [Full Text \(PDF\)](#)

- Maryam Hajbabaie, Kent C. Johnson, Robert Okamoto, and Thomas D. Durbin
Evaluation of the Impacts of Biofuels on Emissions for a California Certified Diesel Fuel from Heavy-Duty Engines
SAE Int. J. Fuels Lubr. June 2013 6:393–406; doi:10.4271/2013-01-1138
[Abstract](#) [Full Text \(PDF\)](#)

- Shailesh Martin Lopes, Robert Furey, and Pat Geng

Calculation of Heating Value for Diesel Fuels Containing Biodiesel
SAE Int. J. Fuels Lubr. June 2013 6:407–418; doi:10.4271/2013-01-1139
[Abstract](#) [Full Text \(PDF\)](#)

- George S. Dodos and Fanourios Zannikos
Microbiological Growth Study of Biodiesel Fuel
SAE Int. J. Fuels Lubr. June 2013 6:419–429; doi:10.4271/2013-01-1148
[Abstract](#) [Full Text \(PDF\)](#)
- John Nunan, Jason Lupescu, Gregory Denison, Douglas Ball, and David Moser
HC Traps for Gasoline and Ethanol Applications
SAE Int. J. Fuels Lubr. June 2013 6:430–449; doi:10.4271/2013-01-1297
[Abstract](#) [Full Text \(PDF\)](#)
- Douglas Ball, David Moser, Yonghong Yang, and David Lewis
N₂O Emissions of Low Emission Vehicles
SAE Int. J. Fuels Lubr. June 2013 6:450–456; doi:10.4271/2013-01-1300
[Abstract](#) [Full Text \(PDF\)](#)
- Jianyi Tian, Hongming Xu, Akbar Ghafourian, Dai Liu, Cheng Tan, and Shi-Jin Shuai
Transient Emissions Characteristics of a Turbocharged Engine Fuelled by Biodiesel Blends
SAE Int. J. Fuels Lubr. June 2013 6:457–465; doi:10.4271/2013-01-1302
[Abstract](#) [Full Text \(PDF\)](#)
- Piotr Bielaczyc, Joseph Woodburn, and Andrzej Szczotka
An Investigation into Cold Start Emissions from Compression Ignition Engines using EU Legislative Emissions Test Procedures
SAE Int. J. Fuels Lubr. June 2013 6:466–477; doi:10.4271/2013-01-1304
[Abstract](#) [Full Text \(PDF\)](#)
- Dai Liu, Hongming Xu, Jianyi Tian, Cheng Tan, and Yanfei Li
Cold and Warm Start Characteristics using HVO and RME Blends in a V6 Diesel Engine
SAE Int. J. Fuels Lubr. June 2013 6:478–485; doi:10.4271/2013-01-1306
[Abstract](#) [Full Text \(PDF\)](#)
- Paul Goossens and Avesta Goodarzi
Full-Vehicle Model Development for Prediction of Fuel Consumption
SAE Int. J. Fuels Lubr. June 2013 6:486–504; doi:10.4271/2013-01-1358
[Abstract](#) [Full Text \(PDF\)](#)
- Om Parkash Bhardwaj, Florian Kremer, Stefan Pischinger, Bernhard Lüers, Andreas F. Kolbeck, and Thomas Koerfer
Impact of Biomass-Derived Fuels on Soot Oxidation and DPF Regeneration Behavior
SAE Int. J. Fuels Lubr. June 2013 6:505–520; doi:10.4271/2013-01-1551
[Abstract](#) [Full Text \(PDF\)](#)
- Leonidas Ntziachristos, Stavros Amanatidis, Zissis Samaras, Kauko Janka, and Juha Tikkanen
Application of the Pegasor Particle Sensor for the Measurement of Mass and Particle Number Emissions
SAE Int. J. Fuels Lubr. June 2013 6:521–531; doi:10.4271/2013-01-1561
[Abstract](#) [Full Text \(PDF\)](#)
- Leonidas Ntziachristos, Stavros Amanatidis, Zissis Samaras, Barouch Giechaskiel, and Alexander Bergmann
Use of a Catalytic Stripper as an Alternative to the Original PMP Measurement Protocol
SAE Int. J. Fuels Lubr. June 2013 6:532–541; doi:10.4271/2013-01-1563
[Abstract](#) [Full Text \(PDF\)](#)
- Jacob Swanson, David Kittelson, Barouch Giechaskiel, Alexander Bergmann, and Martyn Twigg
A Miniature Catalytic Stripper for Particles Less Than 23 Nanometers
SAE Int. J. Fuels Lubr. June 2013 6:542–551; doi:10.4271/2013-01-1570
[Abstract](#) [Full Text \(PDF\)](#)