

LEGACY DOCUMENT (LD)

ADA159893

Performance Evaluation of Alcohol-Gasoline Blends in 1980 Model Automobiles. Phase II. Methanol-Gasoline Blends.

Coordinating Research Council, Inc., Atlanta, GA.
1984, 159p
CRC-536

Related Categories/Subcategories

97K (Fuels)
68A (Air Pollution & Control)

Keywords: Automotive fuels, Alcohols, Blending.

FOR LEGACY DOCUMENTS (LD) :

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LEGACY DOCUMENT (LD)

ADA393048

Modeling of Pem Fuel Cell Systems Including Controls and Reforming Effects for Hybrid Automotive Applications.

Ohio State Univ., Columbus.
2001, 262p

Related Categories/Subcategories

97O (Miscellaneous Energy Conversion & Storage)

85H (Road Transportation)

Keywords: Emission, Fuel cells, Simulators.

LEGACY DOCUMENT (LD)

ADA398716

R&D for Fuel Economy in Automotive Propulsion.

Army Tank-Automotive Command, Warren, MI.
1972, 131p

Related Categories/Subcategories

85H (Road Transportation)

97G (Policies, Regulations & Studies)

97K (Fuels)

Keywords: Fuel consumption, Automotive engineering, Energy conservation.

LEGACY DOCUMENT (LD)

DE85006934

Automotive Advertising Copy Test. Final Report.

Department of Energy, Washington, DC.
1984, 41p

DOE/PE/70521-T1

Related Categories/Subcategories

97B (Energy Use, Supply, & Demand)

85H (Road Transportation)

92C (Social Concerns)

97K (Fuels)

Keywords: Automotive Fuels, Fuel Economy, Advertising.

Automotive Fuel Efficiency



LEGACY DOCUMENT (LD)

DE85000505

Dissociated Methanol Cation. Final Report. Solar Energy Research Inst., Golden, CO.

1984, 259p
SERI/TR-235-2083

Related Categories/Subcategories

97K (Fuels)

Keywords: Automotive Fuels, Methanol Fuels, Automobiles.

LEGACY DOCUMENT (LD)

DE85770079

New Directions in Automotive Engineering.

Bosch (Robert) G.m.b.H., Stuttgart (Germany, F.R.).

1984, 48p
NP-5770079

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

97B (Energy Use, Supply, & Demand)

Keywords: Automobiles, Internal Combustion Engines, Fuel Economy.



LEGACY DOCUMENT (LD)**DE86004187**

Automotive Stirling Summary and Overview.

National Aeronautics and Space Administration, Cleveland, OH. Lewis Research Center.

1985, 10p

DOE/NASA/50112-61, NASA-TM-87177

Related Categories/Subcategories

81J (Reciprocation & Rotating Combustion Engines)

Keywords: Automobiles, Stirling Engines, Fuel Economy.**LEGACY DOCUMENT (LD)****DE87006019**

Simulating the Market for Automotive Fuel Efficiency: The SHRSIM Model.

Oak Ridge National Lab., TN.

1987, 66p

ORNL/TM-10074

Related Categories/Subcategories

97K (Fuels)

Keywords: Automotive Fuels, Computer Codes, Computerized Simulation.**LEGACY DOCUMENT (LD)****CONF7610284**

Improving Automotive Fuel Economy with Accessory Drives. (MS-4171)

Garrett Corp., Phoenix, Ariz. Airesearch Mfg. Div. 1976, 22p

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

97L (Engine Studies (Energy Related))

Keywords: Automobiles, Spark ignition engines, Air conditioning.**LEGACY DOCUMENT (LD)****CO026701**

Design and Development of an Automotive Organic Rankine-Cycle Powerplant with a Reciprocating Expander. Final Report. Volume II. Detailed Discussion.

Thermo Electron Corp., Waltham, MA.

1977, 333p

TE-4157-72-78

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

97L (Engine Studies (Energy Related))

Keywords: Automobiles, Rankine cycle engines, Air pollution.**LEGACY DOCUMENT (LD)****CO043962**

Automotive Stirling Engine Development Program. Quarterly Technical Progress Report, January 1978--March 1978.

Ford Motor Co., Dearborn, MI.

1978, 97p

NASA-CR-159435

Related Categories/Subcategories

81J (Reciprocation & Rotating Combustion Engines),

85H (Road Transportation)

Keywords: Stirling engines, Automobiles, Fuel economy.**LEGACY DOCUMENT (LD)****DE81026116**

Final Technical Study on Reduction of Automotive Accessory Power Requirements. Final Report, June 1974-June 1978.

AiResearch Mfg. Co. of Arizona, Phoenix.

1978, 689p

DOE/CS/51095-T4

Related Categories/Subcategories

85H (Road Transportation)

97L (Engine Studies (Energy Related))

Keywords: Automobiles, Automotive accessories, Design.**LEGACY DOCUMENT (LD)****DE81026734**

Design and Development of a Continuously-Variable-Ratio Transmission for an Automotive Vehicle. 4TH Quarterly Progress Report.

Orshansky Transmission Corp., San Diego, CA.

1975, 42p

DOE/CS/51097-T2

Related Categories/Subcategories

85H (Road Transportation)

Keywords: Automobiles, Mechanical transmissions, Design.**LEGACY DOCUMENT (LD)****DE82015853**

Small Is Brutal: The Risk/Energy Trade-off for Automobiles.

Oak Ridge National Lab., TN.

1982, 39p

Related Categories/Subcategories

85H (Road Transportation)

85D (Transportation Safety)

Keywords: Automobiles, Size, Gasoline, Risk assessment.**FEDERAL LABORATORY CONSORTIUM
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www.federallabs.org**LEGACY DOCUMENT (LD)****DE81029911**

Automotive Stirling Reference Engine Design Report.

National Aeronautics and Space Administration, Cleveland, OH. Lewis Research Center.

1981, 133p

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

Keywords: Automobiles, Stirling engines, Combustors.**LEGACY DOCUMENT (LD)****DE82009010**

Fuel Economy and Exhaust Emissions Characteristics of Diesel Vehicles: Test Results of a Prototype Fiat 131 TC 2.4-Liter Automobile. Final Report, January 1980-June 1981.

Transportation Systems Center, Cambridge, MA.

1982, 59p

DOE/NASA/2817-2, NASA-CR-165535

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

97L (Engine Studies (Energy Related))

Keywords: Automobiles, Diesel engines, Carbon monoxide.**FOR LEGACY DOCUMENTS (LD) :**

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Major Subject Categories

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88	Library & Information Sciences.....	101
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* Scope Notes define the specific topical content for each category;

<http://www.ntis.gov/assets/pdf/scopenotes.pdf>

** Quantities represent each new report assigned on average to 3-5 categories.

LEGACY DOCUMENT (LD)

PB296224

Import Passenger Automobile Weight Projections 1979-1986: Mercedes-Benz, BMW, Volvo, BL Ltd. Corporate-Tech Planning, Inc., Waltham, MA. 1978, 161p

Related Categories/Subcategories

85H (Road Transportation)

Keywords: Automobiles, Imports, Weight measurement, Fuel consumption.

LEGACY DOCUMENT (LD)

DOE/TIC-10092

Comparison of Mandatory Fuel Economy Standards and Automobile Excise Taxes. Federal Energy Administration, Washington, DC. 1976, 90p

Related Categories/Subcategories

85H (Road Transportation)

97G (Policies, Regulations & Studies)

Keywords: Automobiles, Energy policy, Fuel economy, Laws.

LEGACY DOCUMENT (LD)

DOE/TIC-10345

Analysis of Effects of Several Specified Alternative Automobile Emission Control Schedules Upon Fuel Economy and Costs.

Department of Commerce, Washington, DC. 1977, 45p

Related Categories/Subcategories

68A (Air Pollution & Control)

85H (Road Transportation)

Keywords: Automobiles, Air pollution control, Exhaust gases.

LEGACY DOCUMENT (LD)

DOE/TIC-10381

One-Day a Week Driving Ban on Private Automobiles.

Federal Energy Administration, Washington, DC. 1975, 6p

Related Categories/Subcategories

85H (Road Transportation), 97K (Fuels)

Keywords: Automobiles, Automotive fuels, Compliance.

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DE131097168

2011 Chevrolet Volt VIN 0815 Plug-In Hybrid Electric Vehicle Battery Test Results.
Department of Energy, Washington, DC. Assistant Secretary for Energy Efficiency and Renewable Energy.

2013, 19p

Related Categories/Subcategories

85H (Road Transportation)
97M (Batteries & Components)
97O (Miscellaneous Energy Conversion & Storage)
Keywords: Hybrid electric powered vehicles, Electric batteries.

DE131097169

2011 Hyundai Sonata 4932 Hybrid Electric Vehicle Battery Test Results.

Department of Energy, Washington, DC. Assistant Secretary for Energy Efficiency and Renewable Energy.

2013, 19p

Related Categories/Subcategories

85H (Road Transportation)
97M (Batteries & Components)
Keywords: Hybrid electric powered vehicles, Electric batteries, Fuel economy.

DE131107456

In-Use and Vehicle Dynamometer Evaluation and Comparison of Class 7 Hybrid Electric and Conventional Diesel Delivery Trucks.

National Renewable Energy Lab., Golden, CO.
2013, 10p

Related Categories/Subcategories

85H (Road Transportation)
81B (Electric & Ion Propulsion)
81J (Reciprocation & Rotating Combustion Engines)
97O (Miscellaneous Energy Conversion & Storage)
Keywords: Hybrid electric powered vehicles, Dynamometers, Diesel engines.

DE20131068745

Vehicle Technologies Market Report, 2012.
2013, 148p

Related Categories/Subcategories

85 (Transportation)
96 (Business & Economics)
97B (Energy Use, Supply, & Demand)
97K (Fuels)
Keywords: Transportation sector, Market, Fuel consumption.

DE141105992

MSTD CRADA Final Report for CRADA Number NFE-08-1715, Ionic Liquids as Novel Lubricants and for Lubricant Additives.

Oak Ridge National Lab., TN.
2013, 69p

Related Categories/Subcategories

71K (Lubricants & Hydraulic Fluids)
41L (Tribology), 81J (Reciprocation & Rotating Combustion Engines)
Keywords: Lubricants, Additives, Aging, Automotive engines.

DE20131039621

Exhaust Particle Characterization for Lean and Stoichiometric DI Vehicles Operating on Ethanol-Gasoline Blends.

Department of Energy, Washington, DC.
2013, 13p

Related Categories/Subcategories

97K (Fuels)
85H (Road Transportation)
81A (Combustion & Ignition)
Keywords: Exhaust gases, Motor vehicles, Alternative fuels.

DE20131067312

Vehicles Technologies' Fact of the Week 2012.
Oak Ridge National Lab., TN.**Roltex, Inc., Clinton, TN.

2013, 150p

Related Categories/Subcategories

85H (Road Transportation)
97B (Energy Use, Supply, & Demand)
97K (Fuels)
Keywords: Motor vehicles, Technology assessment, Charts.

DE20131068742

Perspective on the Future of High Efficiency Engines .

Oak Ridge National Lab., TN. National Transportation Research Center.
2013, 15p

Related Categories/Subcategories

81J (Reciprocation & Rotating Combustion Engines)
97K (Fuels)
Keywords: Internal combustion engines, Efficiency, Design.

DE20131078075

Impact of Solar Control PVB Glass on Vehicle Interior Temperatures, Air-Conditioning Capacity, Fuel Consumption, and Vehicle Range.

National Renewable Energy Lab., Golden, CO
2013, 11p

Related Categories/Subcategories

97N (Solar Energy)
71D (Ceramics, Refractories, & Glass)
71O (Plastics)
97B (Energy Use, Supply, & Demand)
85H (Road Transportation)
Keywords: Solar cells, Vinyl polymers, Glass.

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- Building Industry Technology
- Business & Economics
- Civil Engineering
- Communication
- Computers, Control & Information Theory
- Electrotechnology
- Energy
- Environmental Pollution and Control
- Government Inventions for Licensing
- Health Care
- Manufacturing Technology
- Materials Sciences
- Ocean Sciences and Technology
- Transportation

Photo: Architect of the Capitol



DE20131083739

Preliminary Examination of Ethanol Fuel Effects on EPA's R-Factor for Vehicle Fuel Economy.

Oak Ridge National Lab., TN.

2013, 27p

Related Categories/Subcategories

97K (Fuels)

97B (Energy Use, Supply, & Demand)

85H (Road Transportation)

68A (Air Pollution & Control)

Keywords: Ethanol fuels, Fuel economy, Vehicles.

DE20131087824

Vehicle Technologies Program Government Performance and Results Act (GPRA) Report for Fiscal Year 2014.

Argonne National Lab., IL.

2013, 50p

Related Categories/Subcategories

85H (Road Transportation)

97K (Fuels)

97G (Policies, Regulations & Studies)

Keywords: Vehicles, Technology assessment, Electric batteries.

PB2013105508

Predictive Eco-Cruise Control (ECC) System: Model Development, Modeling, and Potential Benefits.

Virginia Tech Transportation Inst., Blacksburg, VA.

2013, 93p

Related Categories/Subcategories

97K (Fuels)

81J (Reciprocation & Rotating Combustion Engines)

85H (Road Transportation)

68A (Air Pollution & Control)

Keywords: Fuel consumption, Motor vehicle engines, Air quality.

PB2013106230

Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 Through 2012.

Environmental Protection Agency, Washington, DC. Office of Transportation and Air Quality.

2013, 120p

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

97L (Engine Studies, Energy Related)

Keywords: Motor vehicles, Fuel economy, Carbon dioxide emissions.

PB2013106231

Light-Duty Automotive Technology, Carbon Dioxide Emissions, and Fuel Economy Trends: 1975 Through 2012. Executive Summary.

Environmental Protection Agency, Washington, DC. Office of Transportation and Air Quality.

2013, 15p

Related Categories/Subcategories

85H (Road Transportation)

81J (Reciprocation & Rotating Combustion Engines)

97L (Engine Studies, Energy Related)

Keywords: Motor vehicles, Fuel economy, Carbon dioxide emissions.

PB2013106576

Fuel Economy Guide, Model Year 2013.

Department of Energy, Washington, DC.

Office of Energy Efficiency and Renewable Energy.**Environmental Protection Agency, Washington, DC.

2013, 42p

Related Categories/Subcategories

97B (Energy Use, Supply, & Demand)

97L (Engine Studies, Energy Related)

81J (Reciprocation & Rotating Combustion Engines)

85H (Road Transportation)

43E (Energy)

Keywords: Fuel economy, Motor vehicles, Gasoline mileage.

PB2013106860

Transitions to Alternative Vehicles and Fuels.

National Research Council, Washington, DC. Div. of Engineering and Physical Sciences.

2013, 394p

ISBN-978-0-309-26852-3

Related Categories/Subcategories

97K (Fuels)

85H (Road Transportation)

68A (Air Pollution & Control)

Keywords: Alternative fuels, Vehicles, Environmental impacts.

PB2013108294

Analysis of Railroad Energy Efficiency in the United States.

North Dakota State Univ., Fargo. Upper Great Plains Transportation Inst.

2013, 81p

MPC-RN13-250

Related Categories/Subcategories

85I (Railroad Transportation)

97K (Fuels)

97B (Energy Use, Supply, & Demand)

Keywords: Railroad, Energy efficiency, United States.

PB2013109919

President's Climate Action Plan, 2013.

Executive Office of the President, Washington, DC. The White House Office.

2013, 21p

Related Categories/Subcategories

55C (Meteorological Data Collection, Analysis, & Weather Forecasting)

68A (Air Pollution & Control)

Keywords: Climate change, Air pollution, Carbon, Fuel economy.

PB2013110469

Connected Vehicle Assessment: Vehicle Electrification and the Smart Grid. The Supporting Role of Safety and Mobility Services.

Intelligent Transportation Society of America, Washington, DC.

2013, 55p

Related Categories/Subcategories

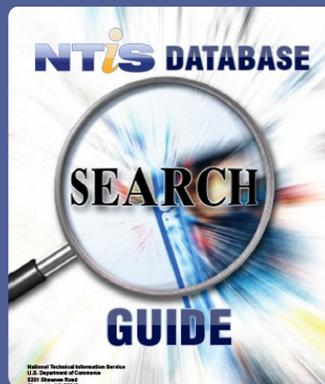
85H (Road Transportation)

85D (Transportation Safety)

81B (Electric & Ion Propulsion)

97K (Fuels)

Keywords: Electric powered vehicles, Assessments, Electric batteries.



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PB2013111198

Effects of Vehicle Fuel Economy, Distance Travelled, and Vehicle Load on the Amount of Fuel Used for Personal Transportation: 1970-2010. Michigan Univ., Ann Arbor. Transportation Research Inst. 2013, 11p
UMTRI-2013-10

Related Categories/Subcategories

97B (Energy Use, Supply, & Demand)
97K (Fuels)
85H (Road Transportation)

Keywords: Fuel economy, Trip distance, *Fuels.

PB2014100562

Internal Diesel Injector Deposits. Coordinating Research Council, Inc., Alpharetta, GA. 2013, 15p
CRC-REPT-665

Related Categories/Subcategories

81J (Reciprocation & Rotating Combustion Engines)
97K (Fuels)

Keywords: Fuel injection, Diesel engines, Diesel fuels, Deposits.

PB2014101561

TRESP II Testing of AFS Dual Fuel System. 2013, 16p
PSU-2011-04

Related Categories/Subcategories

97K (Fuels)
81J (Reciprocation & Rotating Combustion Engines)

85H (Road Transportation)
Keywords: Diesel fuels, Fuel substitution, Natural gas.

PB2014103526

Energy and Global Climate Change 2013. Transportation. Research Record: Journal of the Transportation Research Board, No. 2375. Transportation Research Board, Washington, DC. 2013, 94p
TRB/TRR-2375, ISBN 978-0-309-28691-6

Related Categories/Subcategories

85 (Transportation)
91B (Transportation & Traffic Planning)
43G (Transportation)

68A (Air Pollution & Control)
97B (Energy Use, Supply, & Demand)
Keywords: Transportation systems, Climate change, Energy consumption.

PB2014105199

Planning 2013. Transportation Research Record: Journal of the Transportation Research Board, No. 2397.

Transportation Research Board, Washington, DC. 2013, 182p
TRB/TRR-2397, ISBN 978-0-309-29485-0

Related Categories/Subcategories

85D (Transportation Safety)
85H (Road Transportation)
91B (Transportation & Traffic Planning)
43G (Transportation), 91G (Urban Administration & Planning)

Keywords: Transportation planning, Highways, Public transportation.

PB2014105860

Tire Operational and Sustainability Tradeoffs. Michigan Univ., Ann Arbor. Transportation Research Inst. 2013, 75p
UMTRI-2013-28

Related Categories/Subcategories

85H (Road Transportation)

Keywords: Tires, Operations, Aspect ratio.

PB2014105861

Survey of Driver Opinion about Carbon Capture in Vehicles.

Michigan Univ., Ann Arbor. Transportation Research Inst. 2013, 37p
UMTRI-2013-32

Related Categories/Subcategories

85H (Road Transportation)
68A (Air Pollution & Control)
97K (Fuels)
97B (Energy Use, Supply, & Demand)
97G (Policies, Regulations & Studies)

Keywords: Carbon dioxide, Driver attitudes, Motor vehicles.

PB2014105862

Comparison of CAFE Standards and Actual CAFE Performance of New Light Duty Vehicles.

Michigan Univ., Ann Arbor. Transportation Research Inst. 2013, 12p
UMTRI-2013-35

Related Categories/Subcategories

85H (Road Transportation)
97K (Fuels)
97B (Energy Use, Supply, & Demand)
68A (Air Pollution & Control)

Keywords: Fuel economy, Light duty vehicles, Air pollution control.

PB2014105864

Has Motorization in the U.S. Peaked. Part 3: Fuel Consumed by Light Duty Vehicles.

Michigan Univ., Ann Arbor. Transportation Research Inst. 2013, 21p
UMTRI-2013-40

Related Categories/Subcategories

85H (Road Transportation)
97B (Energy Use, Supply, & Demand)
97K (Fuels)

Keywords: Light duty vehicles, Fuel consumption, Cars.

ADA468132

Corporate Average Fuel Economy (CAFE): A Comparison of Selected Legislation in the 110th Congress.

Congressional Research Service, Washington, DC. 2007, 24P
CRS-RL33982

Related Categories/Subcategories

92 (Behavior & Society)

85 (Transportation)

Keywords: Passenger vehicles, Energy conservation, Legislation.

FREE DOWNLOAD DE2010973698

Vehicles Technologies Program: United Parcel Service Evaluates Hybrid Electric Delivery Vans. Department of Energy, Washington, DC. Office of Energy Efficiency and Renewable Energy. 2010, 2p

Related Categories/Subcategories

85H (Road Transportation)
97O (Miscellaneous Energy Conversion & Storage)
81B (Electric & Ion Propulsion)

Keywords: Hybrid electric powered vehicles, Energy conservation.

FREE DOWNLOAD DE2010975397

Clean Cities Tools: Tools to Help You Drive Smarter, Use Less Petroleum, and Reduce Emissions.

National Renewable Energy Lab., Golden, CO. 2010, 4p

Related Categories/Subcategories

68 (Environmental Pollution & Control)
97K (Fuels)

97B (Energy Use, Supply, & Demand)

97G (Policies, Regulations & Studies)

85H (Road Transportation)

Keywords: *Petroleum industry, *Energy consumption, Fuel economy.

FREE DOWNLOAD DE20111011767

Project Results: Evaluating FedEx Express Hybrid-Electric Delivery Trucks.

National Renewable Energy Lab., Golden, CO. 2011, 2p

Related Categories/Subcategories

97B (Energy Use, Supply, & Demand)

85H (Road Transportation)

Keywords: Trucks, Hybrid vehicles, Operating costs.

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Title Index - For NTRL Users

The following is a list of the titles included in this month's issue, without links to the NTIS Web site. The list is in alphabetical order by title.

NTIS Number	Category	Title
DE131097168	85	2011 Chevrolet Volt VIN 0815 Plug-In Hybrid Electric Vehicle Battery Test Results.
DE131097169	85	2011 Hyundai Sonata 4932 Hybrid Electric Vehicle Battery Test Results.
DOE/TIC-10345	68	Analysis of Effects of Several Specified Alternative Automobile Emission Control Schedules Upon Fuel Economy and Costs.
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