


WWFC Biofuel Guidelines

Stuart Rayner

7th GPM: 29 April 2009

WWFC Biofuel Guidelines for B5 and E10 blendstock




BIODIESEL GUIDELINES


MARCH 2009

From the
Worldwide Fuel Charter
Committee


For English, please visit the association websites.




ACEA
European Automobile
Manufacturers' Association
Avenue de Marnix 17
B-1049 Brussels, Belgium
Tel: +32 2 732 33 33
Fax: +32 2 732 33 33
www.acea.be




Alliance
Alliance of
Automobile Manufacturers
1401 L Street, N.W., Suite 1000
Washington, D.C. 20005
Tel: +1 202 336-5500
Fax: +1 202 336-5508
www.autoalliance.org



ema
Engine Manufacturers
Association
Two North LaSalle Street, Suite 1700
Chicago, IL 60602
Main Telephone: +1 (312) 837-8700
Facsimile: +1 (312) 837-8737
www.engmanufacturers.org



JAMA
Japan Automobile
Manufacturers' Association
Jidoka Kaikan
1-30, 5th Floor, Chiyoda-ku
Minato-ku, Tokyo 105-8512 Japan
Tel: +81 3 5465-0135
Fax: +81 3 5465-4136
www.japanauto.com




ETHANOL GUIDELINES


MARCH 2009

From the
Worldwide Fuel Charter
Committee


For copies, please visit the association websites.




ACEA
European Automobile
Manufacturers' Association
Avenue de Marnix 17
B-1049 Brussels, Belgium
Tel: +32 2 732 33 33
Fax: +32 2 732 33 33
www.acea.be



Alliance
Alliance of
Automobile Manufacturers
1401 L Street, N.W., Suite 1000
Washington, D.C. 20005
Tel: +1 202 336-5500
Fax: +1 202 336-5508
www.autoalliance.org



ema
Engine Manufacturers
Association
Two North LaSalle Street, Suite 1700
Chicago, IL 60602
Main Telephone: +1 (312) 837-8700
Facsimile: +1 (312) 837-8737
www.engmanufacturers.org



JAMA
Japan Automobile
Manufacturers' Association
Jidoka Kaikan
1-30, 5th Floor, Chiyoda-ku
Minato-ku, Tokyo 105-8512 Japan
Tel: +81 3 5465-0135
Fax: +81 3 5465-4136
www.japanauto.com

COVERING LETTER EXTRACT

'Rapid growth in the use of ethanol and biodiesel has prompted the WWFC Committee to address the need for more information about these important renewable fuels. As with conventional gasoline and diesel fuel, biofuel quality must match the needs and capabilities of engine and vehicle technologies, especially as these technologies become more advanced to meet ultraclean emission standards. This document provides our guidance on ethanol quality; a companion document provides guidance on biodiesel quality.

Given the wide variation in performance and measurement methods of biofuel blends at different blend levels, these guidance documents focus on the quality of the blendstock used to make finished biofuel blends, rather than on the finished fuels themselves.

The use of ethanol and biodiesel fuels is important to help extend supplies of gasoline and diesel fuel. As renewable fuels, they have the potential to help reduce emissions of greenhouse gases. Proper formulation also can help assure lower emissions of conventional pollutants. The key to achieving low emissions is to sustainably produce good quality blend stocks and to blend and distribute the finished fuels in a way that preserves their quality when they reach the consumer.

This document represents our best collective judgment at this time, based on experience with ethanol produced from conventional feedstocks such as corn and sugarcane, and aided by comments from interested parties (rapeseed and soy for biodiesel - SR).

We recognise that technical information will continue to evolve, so this document will also change as we learn more',

Where to get copies?

Alliance, ACEA, EMA and JAMA web sites.

www.autoalliance.org www.acea.be or
www.japanauto.com

List of WWFC Members

ACEA member companies

BMW Group, DAF Trucks NV, Daimler AG, Fiat SpA, Ford of Europe GmbH, General Motors Europe AG, MAN Nutzfahrzeuge AG, Porsche AG, PSA Peugeot Citroën, Renault SA, Scania AB, Toyota Motor Europe, Volkswagen AG, AB Volvo.

Alliance member companies

BMW of North America, Chrysler LLC, Ford Motor Company, General Motors Corporation, Jaguar Land Rover, Mazda North American Operations, Mercedes-Benz USA, Mitsubishi Motor Sales of America, Inc., Porsche Cars North America, Inc., Toyota Motor North America, Inc., Volkswagen Group of America.

EMA member companies

American Honda Motor Co., Inc., Briggs & Stratton Corporation, Caterpillar Inc., Chrysler LLC, CNH Global N.V., Cummins Inc., Daimler Trucks North America LLC, Deere & Company, Deutz Corporation, Dresser Waukesha, Fiat Powertrain Technologies S.p.A, Ford Motor Company, General Motors Corporation, Hino Motors, Ltd., Isuzu Manufacturing Services of America, Inc., Kohler Company, Komatsu Ltd., Kubota Engine America Corporation, MTU Detroit Diesel, Inc., Navistar, Inc., Onan–Cummins Power Generation, PACCAR Inc, Scania CV AB, Volkswagen Group of America, Inc., Volvo Powertrain Corporation, Wärtsilä North America, Inc., Yamaha Motor Corporation, Yanmar America Corporation.

JAMA member companies

Daihatsu Motor Co. Ltd., Fuji Heavy Industries Ltd., Hino Motors Ltd., Honda Motor Co. Ltd., Isuzu Motors Limited, Kawasaki Heavy Industries Ltd., Mazda Motor Corporation, Mitsubishi Fuso Truck and Bus Corporation, Mitsubishi Motors Corporation, Nissan Diesel Motor Co. Ltd., Nissan Motor Co. Ltd., Suzuki Motor Corporation, Toyota Motor Corporation, Yamaha Motor Co. Ltd.

Associate members

Association of International Automobile Manufacturers (AIAM)
Association of International Automotive Manufacturers of Canada (AIAMC)
Asociacion Mexicana de la Industria Automotriz, A.C. (AMIA)
Brazilian Association of motor vehicle and motorised agricultural machinery manufacturers (ANFAVEA)
Canadian Vehicle Manufacturers' Association (CVMA)
Chamber of Automotive Manufacturers of the Philippines, Inc. (CAMPI)
China Association of Automobile Manufacturers (CAAM)
Indonesia Automotive Federation (IAF)
Korea Automobile Manufacturers Association (KAMA)
National Association of Automobile Manufacturers of South Africa (NAAMSA)
Malaysian Automotive Association (MAA)
Thai Automotive Industry Association (TAIA)
Vietnam Automobile Manufacturers Association (VAMA)

Supporting organisations:

Organisation Internationale des Constructeurs d'Automobiles (OICA)