

1. Record Nr.	UNINA9911004714703321
Titolo	The biodiesel handbook / / editors, Gerhard Knothe, Jon Van Gerpen, Jurgen Krahl
Pubbl/distr/stampa	Champaign, Ill., : AOCS Press, ©2005
ISBN	1-00-304026-8 1-003-04026-8 1-60119-719-5 1-4398-2235-2
Descrizione fisica	1 online resource (ix, 302 pages) : illustrations
Altri autori (Persone)	KnotheGerhard Van GerpenJon Harlan KrahlJurgen <1962->
Disciplina	662/.669
Soggetti	Biodiesel fuels SCIENCE / Chemistry / General SCIENCE / Chemistry / Organic SCIENCE / Chemistry / Industrial & Technical
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	What is Biodiesel? / Gerhard Knothe -- The History of Vegetable Oil-Based Diesel Fuels / Gerhard Knothe -- The Basics of Diesel Engines and Diesel Fuels / Jon Van Gerpen -- Biodiesel Production / Jon Van Gerpen and Gerhard Knothe -- Alternate Feedstocks and Technologies for Biodiesel Production / Michael J. Haas and Thomas A. Foglia -- Analytical Methods for Biodiesel / Gerhard Knothe -- Cetane Numbers / Gerhard Knothe -- Viscosity / Gerhard Knothe -- Cold Weather Properties and Performance of Biodiesel / Robert O. Dunn -- Oxidation: Literature overview / Gerhard Knothe -- Stability of Biodiesel / Heinrich Prankl -- Biodiesel Lubricity / Leon Schumacher -- Biodegradability, Biological and Chemical Oxygen Demand and Toxicity of Biodiesel Fuels / C.L. Peterson and Gregory Moller -- Soybean Oil Composition for Biodiesel / Neal A. Bringe -- Impact of Biodiesel Fuel on Pollutant Emissions from Diesel Engines / Robert L. McCormick and Teresa L. Alleman -- Influence of Biodiesel and Different Petrodiesel Fuels on

Exhaust Emissions and Health Effects / Jurgen Krah, Axel Munack, Olaf Schroder, Hendrik Stein, Jurgen Bunger -- Current Status of the Biodiesel Industry / Steve Howell and Joe Jobe -- Biodiesel in the European Union: Current Status of Legislation and Production / Dieter Bockey -- Biodiesel Quality Management; the AGQM story / Jurgen Fischer -- Status of Biodiesel in Asia, the Americas, Australia and South Africa / Werner Korbitz -- Environmental implications of biodiesel / Sven Gartner and Guido A. Reinhardt -- Potential Production of Biodiesel / Charles L. Peterson -- Other Uses of Biodiesel / Gerhard Knothe -- Other Alternative Diesel Fuels from Vegetable Oils / Robert O. Dunn.

Sommario/riassunto

Annotation
