



CORE BioFuel Inc. Produces High Octane Gasoline in Tests of Biomass to Gasoline Process

CORE BioFuel Inc., a Canadian company focused on energy security for the North American and European markets, announced on November 15, 2011 that it has successfully tested the last step in its wood-to-gasoline process to produce high-octane, benzene-free, drop-in gasoline. Under contract with CORE, RECAT Technologies Inc. successfully completed a set of test runs of the catalytic reaction producing gasoline from dimethyl ether (DME), the only to date non-commercialized step in CORE's patent pending process.

Mr. Larry Melnichuk, Vice President of Process Design and Development, stated, "Our reaction performs even better than we expected, with excellent conversion of DME to gasoline. The catalyst for this reaction did not produce benzene -- which the EPA has determined should not be present in gasoline unless lower than their current criteria levels. Removing benzene is difficult and expensive and our process does not incur this cost. Utilizing similar operating parameters, our reactor actually produces a gasoline superior to ExxonMobil's well-known commercial MTG (Methanol-to-Gasoline) process. Our gasoline octane rating is 94, which means it can be blended successfully with lesser grade refinery gasoline to meet retail pump 92 octane requirements. Our testing also determined that operating costs will be lower because we have less volume to recycle than in an MTG process -- we produce more of what we want and less of what we don't want. Our catalyst also costs less, and is a robust catalyst, which can be re-used."

CORE BioFuel is commercializing its patent-pending MKS Gasoline Synthesis Process™ to address the challenge of producing a drop-in gasoline from cellulosic biomass. The technology is industrially proven and the process is a scalable, efficient, cost effective approach to producing carbon neutral, benzene-free gasoline. CORE's Green Gasoline™ resulting from this process will be a 94 octane, clean-burning alternative to conventional gasoline from petroleum sources. For additional information, see www.corebiofuel.com

RECAT Technologies Inc. is an affiliated spinoff of the University of Western Ontario in Sarnia, Ontario, specializing in the development and commercialization of innovative Reactor Engineering and Catalytic Technologies. RECAT's founder and president, Dr. Hugo de Lasa, is a distinguished researcher and engineer whose contributions to the field of Chemical Engineering have gained him international recognition.

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