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Ricardo presents best-in-class ethanol combustion efficiency at Brazil summit

Downsizing, boosting and spray guided direct injection were presented as the route to fuel efficiency by Ricardo, Inc. president Thomas Apostolos, speaking at the Ethanol Summit 2013 in Sao Paulo, Brazil

In his presentation on Friday, Ricardo’s Thomas Apostolos said that the company’s Extreme Boosted Direct Injection (EBDI) engine has the potential to deliver best-in-class efficiency for ethanol combustion. He outlined a technology approach wherein an EBDI engine achieved diesel like fuel efficiency from a spark ignited engine. Torque performance characteristics were also similar to that of a diesel across a broad range of engine speeds, when running on E85.

Apostolos presented these Ricardo technologies during the plenary session "Scenarios 2020: The Evolution of Flex Fuel Technology" at this year's Ethanol Summit. The Summit is a global gathering held every two years since 2007 and dedicated to in-depth discussions about renewable energies, with special emphasis on sugarcane-based energies and products. Apostolos told the audience, "Ethanol fuel properties make it possible to match diesel efficiency. Ethanol and CNG together, in a dual-fuel direct injection application, offer a huge opportunity for the large and heavy duty engine industry." In addition, he noted Ricardo's long history and understanding of ethanol, with research in alcohol blended fuel dating back to the 1920s. "Engines and ethanol are part of Ricardo's genetic makeup. We understand this industry, and continue to stay on the leading edge of developments in this area."

Ends
NOTES TO EDITORS:

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