

# Engine Benchmarking

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*Final CRADA Report*

Energy Systems Division

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Participants: USCAR LLC

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**Non Proprietary  
Final CRADA Report**

Date: 11/09/2016

CRADA Number: ANL/ES-C0900501

CRADA Title: Engine Benchmarking

CRADA Start/End Date: 2/7/2011 to 2/6/2014

Argonne Dollars: \$2,100,000

Participant Dollars: \$3,600,000

Argonne PI: Steve McConnell

Participant(s):

USCAR LLC \$3,600,000  
Name Participant Dollars

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DOE Program Ken Howden  
Manager:

Summary of Major Accomplishments:

Detailed benchmarking of the powertrains of three light-duty vehicles was performed. Results were presented and provided to CRADA partners. The vehicles included a MY2011 Audi A4, a MY2012 Mini Cooper and a MY2014 Nissan Versa.

**Summary of Technology Transfer Benefits to Industry:**

Powertrain benchmarking results were shared with CRADA partners which are used for internal technology evaluations.

**Other Information/Results: (Papers, Inventions, Software, etc.)**

Detailed reports of the powertrain benchmarking results were developed, reviewed and provided to the CRADA partners.

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## Energy Systems

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