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Kile R. Stinson, M.S.

Professional Profile

Kile Stinson specializes in the design and evaluation of vehicle components. His proficiencies include the following areas:

- Component reverse engineering for assessment and development
- Design, construction, implementation and evaluation of dynamic testing for automotive components
- Automotive vehicle suspension kinematics and dynamics
- Automotive power plant evaluation and performance
- CAD generation of parts, drawings, and visual aids

Prior to joining Momentum PMV, Mr. Stinson worked at the University of North Carolina at Charlotte, where he was the motorsports research lab manager. He oversaw research projects, taught classes, and managed the design, build, testing, and trackside engineering support of student-built race cars. Concurrently, Mr. Stinson also spent 16 years in the racing industry in various roles including mechanic, pit crew member, and engineer.

Credentials and Professional Honors

M.S. (Department of Mechanical Engineering), University of North Carolina at Charlotte, 2017

B.S. (Department of Mechanical Engineering), University of North Carolina at Charlotte, 2009

Member, Society of Automotive Engineers

Publications and Presentations

“Investigation of the effects of high sulfur content on the operational characteristics of a Tier 4 Interim ULS diesel engine.” Master’s thesis, University of North Carolina at Charlotte, 2017.

