

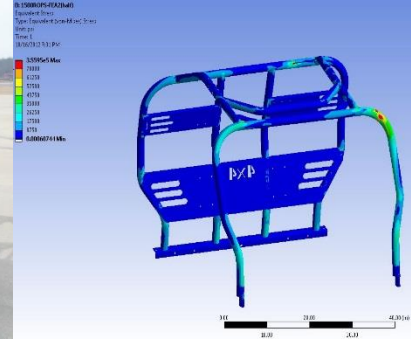
TESTING & VALIDATION



LIGHT VEHICLE AND OFF HIGHWAY TESTING EXPERTS



APPLIED DYNAMICS
ENGINEERING GROUP, LLC



Applied Dynamics Engineering Group, LLC (ADEG) provides our clients with expert product testing and evaluation.

With our help, clients can have the peace of mind to know that their product meets or exceeds the current industry standards, ensuring end user safety and customer satisfaction.

ADEG's industry experts have years of experience in DoD vehicle design and analysis, vehicle dynamics optimization, litigation support, physical testing, and data acquisition.

ADEG leverages a close network of testing facilities requiring little overhead. This allows us to be nimble and cost effective, tailoring our efforts to the engineering and budgetary needs of our clients.

Applied Dynamics Engineering Group's Testing Division utilizes industry leading OxTS Inertial and GPS measuring systems, Isaac Vehicle Telemetry data acquisition computers and sensors, and high speed high definition cameras during product evaluation.



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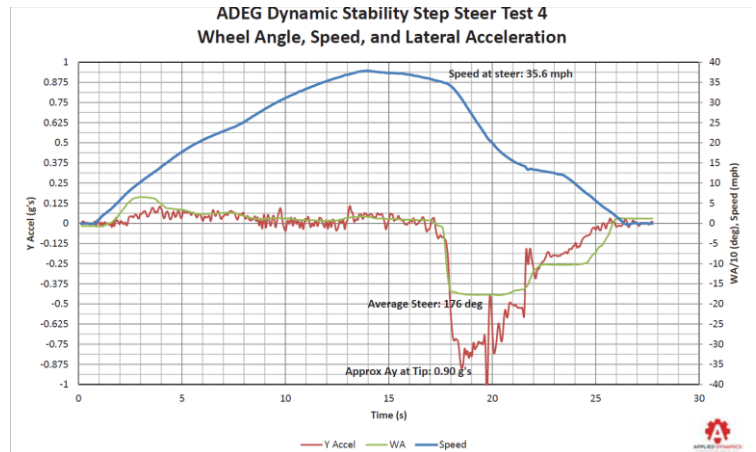
TESTS PERFORMED

ANSI / ROHVA 1-2014
ANSI / OPEI B71.9 – 2012
 B71.1 – 2012
 B71.4 – 2012
ANSI-ILTVA Z135 -- 2012
ANSI / SVIA 1 – 2010
FMVSS 49 CFR 571.500

- Maximum Speed
- Service Brake Performance
- Parking Brake/Mechanism Performance
- Lateral Stability
 - Tilt Table Test
 - Stability Coefficient (K_{st})
 - Dynamic Stability (J-turns)
 - SAE J266
- Pitch Stability
- Roll Over Protective Structure (ROPS) (Through Strategic Partners)
- Occupant Retention System (ORS) (Through Strategic Partners)
- Sound Level Limits
- Center of Gravity Measurements
- Moment of Inertia Measurement
- Constant Steer Circle Test
- Step Steer
- Constant Radius Circle
- Sine with dwell maneuver
- NATO Double Lane Change
- Fishhook maneuver
- High Definition Mobile Photography

ADDITIONAL CAPABILITIES

- Product Development
- 3D Solid Modeling
- Kinematic Simulation Studies
- Finite Element Analysis (FEA)
- Root Cause Analysis
- Durability Testing
- Physical Component Testing
- Litigation Consulting
- Event Data Recorder Analysis
- 3D Scanning & Reverse Engineering



CONTACT US TO DISCUSS YOUR VALIDATION NEEDS



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