

Your **TESTING RESOURCE PARTNER**  
for transportation science, systems & components



**VEHICLE**

- Internal Combustion Engine (ICE)
- EV & Hybrid
- 2WD & AWD Capability
- Motorcycle's & ATVs



**HEAVY DUTY**

- Up to Class 6
- Up to 26,000 lbs.
- Medium Duty EV



**PERFORMANCE**

- Custom Drive Cycles
- Horsepower Testing
- Robot Drivers



**VARIABLE ALTITUDE**

- High Altitude MADS
- Sea Level Testing
- Multiple Locations

## MILEAGE ACCUMULATION DYNAMOMETER TESTING (MAD TESTING)

### RESEARCH, DEVELOPMENT & CERTIFICATION TESTING IN LABORATORY CONDITIONS

TRP offers Mileage Accumulation Dynamometer Testing (MAD) with capabilities to accommodate 2WD and AWD passenger cars, light-duty and medium-duty passenger and commercial vehicles, electric and hybrid vehicles, tractors, ATV's and motorcycles.

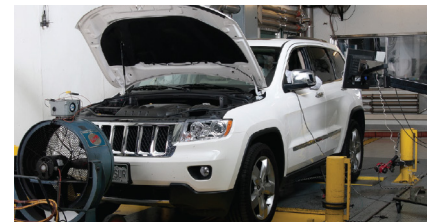
At our TRP test facilities we offer unrivaled technical expertise to support and conduct vehicle-based test programs. These programs include engine catalyst control system aging, exhaust emissions deterioration, vehicle load acceptance, range and mileage measurements, vehicle calibration development, lube evaluations and transmission aging. We also conduct diesel particulate filter regeneration studies.

#### MAD AGING PROGRAM BENEFITS

- Eliminate the risk of injury to on-road drivers
- Prevent accidents and damage to on-road test vehicles
- Avoid interruptions due to inclement weather
- Conduct the testing in a controlled, repeatable process
- Minimize inherent data variability from driving in uncontrolled environments
- Accumulate 120,000 miles of vehicle aging in only a few months
- Cost-efficient alternative that is also approved by the EPA and other regulatory groups

#### WHY CHOOSE TRP?

- Our MAD Test Centers offer closed loop control dyno systems with OBD/CAN interface to ensure reliable and accurate drive cycles
- Proficient in Standard EPA and customized road cycles
- Driverless, automated throttle and braking systems
- Road speed modulated frontal cooling fans
- Provisions and accommodations made for fuel, DEF and EV charging
- Each facility is secure along with 24/7 surveillance
- Onsite 40CFR part 1066 exhaust emissions certification



ACCREDITATIONS

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# MILEAGE ACCUMULATION DYNAMOMETER TESTING (MAD TESTING)

## TRP'S MAD TESTING FACILITIES



**AURORA, COLORADO** | 2022 HELENA ST. 80011 | T: (303) 344-5470

- High altitude testing facility
- 2WD and AWD chassis dynos
- Variable high-altitude and environmental testing conditions
- Testing facility designed for maximum confidentiality and security
- EV & HEV charging stations available
- 40CFR Part 1066 emission certification testing available
- PEMS testing services available

**COLUMBUS, INDIANA** | 635 S MAPLETON ST. 47201 | T: (812) 378-5903

- Sea level testing facility
- 2WD chassis dynos
- AWD wheel drive chassis dyno MADs only
- Motorcycle and ATV dynamometers
- Closed loop control dyno systems with OBD/CAN interface
- Standard customized road cycles
- Road speed modulated frontal cooling fans
- Testing facility designed for maximum confidentiality and security
- EV & HEV charging stations available
- 40CFR Part 1066 emission certification testing available

## WHY US?

At TRP, we provide comprehensive testing services to ensure your products meet the highest safety, reliability, and compliance standards. With decades of experience, we are a trusted partner for automotive manufacturers, OEMs, and aftermarket producers.

### UNMATCHED EXPERTISE

Backed by years of industry experience, our team of seasoned professionals excel as skilled testing specialists.

### HIGH PRECISION LABORATORIES

ISO accredited labs feature innovative technologies, specialized facilities and advanced testing equipment.

### EXTENSIVE TESTING SOLUTIONS

Diverse testing capabilities, from large commercial vehicles to small parts and their components.

### CUSTOMER FOCUSED

A customer centric approach with tailored solutions to meet your specific project needs.

### TRUST AND RELIABILITY

A proven track record of reliability, delivering quality results with quick turnaround times.

## AURORA, CO

- High Altitude Laboratory
- Vehicle & Engine Testing
- Emissions Cert Testing
- PEMS Testing Services
- Mileage Accumulation
- Sub-Zero Cold Testing
- In-use Verification Program
- EV & HEV Testing



## EMPIRE, CO

- High Altitude Test Center
- Elevation 8,900 ft
- On-road Development
- Sub-Zero Cold Testing
- 700 ft Drive-away
- On-Site Refueling
- EV & HEV Charging



## COLUMBUS, IN

- Sea Level Laboratory
- Vehicle & Engine Testing
- Emissions Cert Testing
- Sub-Zero Cold Testing
- Mileage Accumulation
- Motorcycle/ATV/UTV
- In-use Verification Program
- EV & HEV Testing



## LAPEER, MI

- Fuel Storage & Systems
- Component Testing
- Environmental & Durability
- Evaporative Emission
- Fill & Refueling Testing
- Lateral Slosh Testing
- Fire Resistance Testing



## TAYLOR, MI

- Catalyst Aging
- Equipment Design & Production (NG1/NG2, Next Gen Burners)
- Fabrication & Machining
- Thermal Component Testing



## TROY, MI

- Chassis & Suspension
- Shock Absorber Testing
- Component Testing
- Fatigue & Cyclic Testing
- Vibration Testing
- Thermal Test Conditions
- Exhaust Systems Testing

