

Accredited under ISO 17025 Standards. Testing methods conform to industry standard specifications including SAE, ASME, ANSI, FMVSS/CMVSS and MIL-STD

# **CLARK** Testing Services, LLC A Division of Clark Testing Group

## Clark Testing Services Powertrain Testing



Powertrain Testing

Clark Testing Services has been in the Powertrain testing business for over 50 years. Over that time CTS has tested products ranging from small components such as starters and air motors to transmissions and axles in excess of 2000 horsepower. Our well-equipped facility is capable of testing vehicles, sub-assemblies or individual components for a wide variety of performance parameters as well as system durability.





## Capabilities

CTS provides start-to-finish services for product development, for process development, and troubleshooting.

- Powertrains
- Hydraulics
- Noise and Vibration
- Structures
- Field Data Acquisition
- Environmental

## Full Vehicle Testing

- Cooling system performance and optimization
- Fuel efficiency
- Durability
- Driveline studies

## Component Testing

- Durability, performance, development, efficiency, programmed duty cycle
- Brake Systems
- Transmissions
- Axles
- Transaxles
- Torque converters
- Electric motors (AC & DC)
- Universal joints
- Transfer cases
- Clutches
- Gearboxes
- Bearings

Along with above CTS testing, Noise Evaluation can also be performed by a CLark Testing associate company.

## Powertrain Test Equipment

- Dynamometers (20)
  - 45 hp. - 650 hp Motoring (with single dynamometer)
  - Up to 1300 hp Motoring (with multiple dynamometers)
  - Absorbing capabilities to 2500 hp
- Two heavy duty chassis dynamometers
  - Drawbar to 25,000 lbf @ 25 mph
  - Single axle span to 15 ft.
  - Motoring and absorbing capability
  - One high-speed chassis dynamometer
  - Speeds to 120 mph, absorption only
- Inertia simulation
  - Variable inertia flywheel standards
- Engine test cell
  - Gasoline, diesel, propane & natural gas engines
  - Single 1250 hp absorbing dynamometer



## Clark Testing Services, LLC

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