

Testing Services

EPA and CARB Emissions
Certifications Testing



ESW America, a division of ESW Group, is a leading independent emissions testing company based in Montgomeryville, PA. Our state-of-the-art engine and chassis testing facility is equipped to perform a wide variety of EPA, CARB and EU compliant services. Our facility is staffed by an experienced team of highly skilled test engineers, technicians, and fabricators. With a combined total of over 30 years experience, ESW America performs EPA and CARB emissions certification testing, durability testing, performance testing, and fuel economy testing for a wide variety of engines and chassis.

ISO 9001/2008 Certified Testing Facility

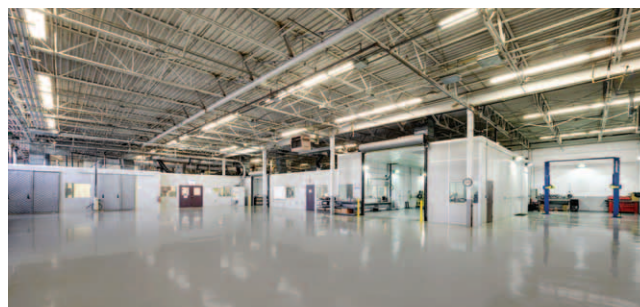
- Best-in-class test facility located in the Northeastern US
- Capable of performing EPA, CARB, and EU emissions certification testing
- 40,000 sq. ft. facility with eight (8) test cells
- Six (6) engine dynamometer test cells (5 to 1,000 HP)
- Two (2) chassis dynamometer test cells (40 to 1,000 HP)
- Integrated project management, test planning, and data management services

Engine/Chassis Dynamometer

- Up to 1,000 HP engines
- Durability (end of life), A-B-A analysis
- Performance evaluations
- Full flow CVS emissions system connected to each test cell
- Transient fuel flow measurement
- Medium and heavy-duty engine testing
- Non-road SI/CI engine testing (NRSI/NRCI)
- Small off-road engine testing (SORE)
- Motorcycle/ATV chassis testing

Automated Checks

- Safety: over-speed and temperature
- Communication between test systems
- Cell and fuel temperature control
- Linearity/calibrations



EMISSIONS CERTIFICATION TESTING

Precision Testing Controls

- Speed and load
- Engine intake and exhaust pressures
- Combustion/dilution air: temperature and humidity
- Emissions sampling system

Data Quality Controls

- Real time quality checks
- Baseline emission program
- Interlab correlation program
- Monthly/yearly calibration database (M&TE)
- Weekly data quality council
- Established uncertainty of measurement
- Established correlations with OEM labs
- Active lab correlations: EC, EPA Round Robin

Confidentiality Measures

- Confidentiality of customer products, data, and information
- Independent test facility: direct client to lab relationship
- Separate parts/vehicle storage for each client
- Firewall protected test data server
- Protected physical test logs
- Access to protected test cells for authorized personnel only



ESW America, Inc.
200 Progress Drive
Montgomeryville, PA 18936
sales@eswgroup.com
1.215.699.0730

Call for more info **1.215.699.0730**

visit our website for more info
www.eswgroup.com