

High Horsepower Engine Testing Service

Intertek

Valued Quality. Delivered.



For years, governments and OEMs around the globe have worked to regulate pollution generated through engine emissions testing. Combined with pushes for energy independence as well as Greenhouse Gas reductions, many large engine manufacturers are developing new solutions to address these issues. In order to maintain pace with an increased demand for independent testing of High Horsepower engines, Intertek Automotive Research is investing in a facility purpose-built for such programs. The facility will provide suitable resources for endurance as well as development testing on engines up to 3,000 hp on diesel, natural or dual-fuel systems. Emissions certification testing will also be an available service.

Test Capabilities

- EPA compliant gaseous and particulate emissions measurement
- Dedicated clean/weight room (EPA Title 40 compliant)
- Eddy Current Dynamometer (3,000 hp – 6,000 Lbs. Ft.)
- Combustion analysis equipment
- Real-Time natural gas composition
- Natural gas blending with Nitrogen and Propane is available
- State-of-the-art stand automation control systems
- Temperature and humidity controlled combustion air supply
- Smoke meters (Filter Smoke Number)
- Opacimeters
- FTIR for measurement of un-regulated exhaust emissions components

Quick Intertek Facts

- Intertek test experts are able to design, develop and fabricate specialty, one-of-a-kind test stands
- We provide a variety of testing available for both standard and accelerated engine aging studies
- Elevation simulation testing is available to 7,000 ft



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- ISO 8178 testing
- X-mode testing (i.e. 8 mode, 13 mode)
- Other stead-state testing protocols
- Production audit testing
- Marine testing
- Combustion development
- Calibration optimization
- Deterioration Factor (DF) testing
- Performance development testing
- After-treatment performance evaluations
- Engine lubricant development programs
- Fuel blend sensitivity testing
- Fuel economy evaluations



The Intertek Advantage

Intertek Automotive Research is one of the largest independent automotive testing organizations in the world and has provided quality services since 1953 to the transportation and petrochemical industries. Based in San Antonio, Texas, our customer-focused staff has a proved record of being responsive to our client's needs and special testing requirements. Our customer base is worldwide and consists of the automotive OEMs, the heavy-duty engine OEMs, the OEM suppliers, and the fuel and lubricant companies.

Intertek is a leading quality solutions provider to industries worldwide. From auditing and inspection, to testing, training, advisory, quality assurance and certification, Intertek adds value for its customers by helping improve the quality and safety of their products, assets and processes. With a network of more than 1,000 laboratories and offices and over 35,000 plus people in more than 100 countries, Intertek supports companies' success in the global marketplace, by helping customers to meet end users' expectations for safety, sustainability, performance, integrity and desirability in virtually any market worldwide.

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