



# DETROIT TESTING LABORATORY, INC.



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## DETROIT TESTING LABORATORY, INC.

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## Fuel System & Component Testing

Detroit Testing Laboratory is the largest rated independent fuel system and component testing laboratory in North America. Our free-standing facility houses over 4,900 square feet of explosion-proof test cell area, rated to Class 1/Division 1 explosion standards.

Equipment also includes intrinsically safe cycling temperature chambers capable of  $-65^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$  and two  $10' \times 10'$  hot rooms capable of reaching  $+70^{\circ}\text{C}$ . The facility also features fuel component performance and durability stands capable of testing several hundred parts simultaneously.

### Testing Capabilities

- Component Durability
- Corrosion
- Cycling
- Filling & Tilt
- Fuel Compatibility
- Temperature Cycling ( $-65^{\circ}\text{C}$  to  $+150^{\circ}\text{C}$ )
- Fuel Recirculation
- Permeation
- Pressure Cycling
- Fuel Exposure
- Vibration with Fuel

### Routinely Tested Components & Systems

- Air Cleaner Assemblies
- Filler Caps
- Fuel Pump Modules
- Fuel Rail Assemblies
- Fuel Regulators
- Hoses & Connectors
- High Pressure Fuel Rails/Injectors
- Vapor Management Valves/Regulators
- Level Senders
- Plastic & Rubber Fuel Lines
- Sender Modules
- Tanks
- Vapor Storage Canisters
- Injectors

### Fuels Available

- Alcohol (Ethanol E-85)
- Sour Gasoline
- Diesel/Bio-Diesel Blends
- Liquid Propane Gas (LPG)
- ASTM & Other Specification Fuels
- Reformulated Gasoline
- Compressed Natural Gas (CNG)
- Unleaded Gasoline
- Oxygenated Fuel