

Delphi Customer Technology Centre Luxembourg Diesel Vehicle Emissions Test Laboratory

The Diesel Vehicle Emissions Test Laboratory at the Delphi Customer Technology Centre Luxembourg provides the following services:

- Exhaust management systems development
- Engine management systems development
- Component development

All current regulatory test cycles are available, in addition to customized test cycles.

Services at the Delphi Customer Technology Centre Luxembourg are performed by a highly trained and experienced staff that understands the challenges facing manufacturers today. The services are conducted according to industry standards, and are designed to meet individual customer schedules and enable competitive costs.

► Operational Parameters:

- Temperature and humidity control
- Test and soak area
- Chassis dynamometer Hoffmann Twin-roll 500 mm:
 - Inertia simulation: from 680 kg to 2,438 kg
 - Maximum vehicle speed: 200 km/h
 - Maximum power: 88 kW
- Emissions measurement Euro 5 level:
 - Engine-out and tailpipe emissions with Horiba MEXA 7500 analyzer: CO, CO₂, HC, NO_x, NO and NO₂ measurement simultaneously
 - Constant Volume Sampler Horiba DPS/CFV—80: flow of 10 m³/min and 20 m³/min
 - Particulates measurement:
 - Real time Horiba TEOM 1105
 - Real time opacity meter SICK MAIHAK DMA 57
 - Mass measurement with Horiba PMU 7000 system according to legislation
- Data acquisition system Horiba CDTCS:
 - Sampling rate: 10 Hz
 - Results file in 1 Hz, 5 Hz, or 10 Hz



Diesel Vehicle Emissions Testing at Delphi Customer Technology Centre Luxembourg



Diesel Vehicle Emissions Testing

▶ The Delphi Advantage

Delphi's Customer Technology Centre Luxembourg is conveniently located near European customers in the design, development, testing and validation of their products. It is certified to ISO/TS 16949 Standard for Supplier Quality Management Systems. It is part of Delphi's network of state-of-the-art technical centers around the world.

Delphi is a leading global supplier of a broad range of technologies with manufacturing facilities located in more than 30 countries. Delphi's products are engineered to meet the rigorous standards of the automotive industry, but Delphi technologies are also used in many other industries. We leverage a rich heritage and extensive technical knowledge to offer customers an array of innovative, cost competitive solutions.

▶ Contact Information

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