

# Powertrain Durability Testing

**Intertek**

Valued Quality. Delivered.



Intertek Transportation Technologies based in Milton Keynes UK has more than 30 years' experience in dynamometer based powertrain durability testing. This covers both Diesel and gasoline fired engines as well as transmissions and full powertrain systems. This durability testing includes experience with a wide range of OEM testing requirements and drivecycles as well as creating bespoke drivecycles for specific applications. Intertek also operates one of the only commercially available tilting engine dynamometers for oil surge and oil scavenge durability testing.

Intertek has a proven track record in delivering highest levels of operational efficiency to maximise cycle hours delivered for our customers. This is achieved through 24/7 facility operation, with on-site expertise in test control and data acquisition systems, dynamometer and instrumentation maintenance and calibration.

Intertek also provides road or track based vehicle durability testing services with engine strip, inspection and re-build services.

Intertek Transportation Technologies test facilities are fully accredited to ISO 9001 and are recognised by the UK Vehicle Certification Agency

- 28 test cells and 65 engine dynamometer options
- Engines from as little as 50 kW to as large as 1000 kW can be tested
- Any size engine from small capacity gasoline to high capacity diesel



Our experience of durability testing allows us the ability to offer very cost effective test packages that saves you valuable time and money in your development programmes.

Customer engineers can be accommodated on-site in five separate customer offices with capacity from 2 to 6 persons.

All of our test facilities are fully accredited to ISO 9001 and are recognised by the UK Vehicle Certification Agency for engine power certification (ECE Regulation 85).

### Key features

- 28 test cells and 65 engine dynamometer options
- Engines from as little as 50 kW to as large as 1000 kW can be tested
- Any size engine from small capacity gasoline to high capacity diesel
- Engine, Transmission or full Powertrain testing capability
- Full instrumentation requirements catered for
- Fully automated tests cells permit safe un-manned operation
- Steady state or full transient test cycles available
- Multiple fuel variants and blends
- High capacity fluid cooling circuits to test cells at 25°C, 6°C and -30°C
- Customer drive-cycles or bespoke tests available
- Photographic studio to support post test analysis
- Formal test reports and data supply
- All tests fully monitored 24/7



### Intertek

8 Tanners Drive  
Blakelands  
Milton Keynes  
MK14 5BN, UK

T: +44 1908 513000

[www.intertek.com](http://www.intertek.com)

For more information please visit [www.intertek.com/automotive](http://www.intertek.com/automotive) or contact Darren Carter, Business Development Manager at [darren.carter@intertek.com](mailto:darren.carter@intertek.com), or call +44 1908 513000.

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