

DLG TestService

We measure what's important

MORE INFO



Performance and consumption measurement for tractors, agricultural, forestry and construction machinery as well as special vehicles

- DLG PowerMix for tractors
- DLG chassis dynamometer performance and consumption measurement
- OECD Tractor Codes 2 and 5
- Benchmarking tests
- Tests during development
- Performance measurement for type-approval processes

DLG TestService – Your partner for performance and consumption measurement

DLG TestService stands for precise, independent performance and consumption measurements on tractors and other mobile machinery. We use recognised methods to provide reliable and comparable data for development, approval, benchmarking, or marketing. Our tests are based on international standards and proven DLG test procedures. They have a modular structure and can be flexibly adapted to specific requirements.

Our expertise at a glance:

- Engine power at PTO, wheel, hydraulics and auxiliary drives
- Fuel consumption under practical operating conditions
- Torque curves, characteristic curves and efficiency ratings
- Overall energy efficiency of drive and hydraulic systems
- Comparative measurements for research, development and benchmarking

Modern testing technology for reliable results

The DLG performance test benches are designed for large mobile machines and enable reproducible measurements under defined load and application profiles. Using mobile measuring technology, we can also carry out on-site tests in the field or on the test site upon request.

DLG chassis dynamometer – Most powerful all-wheel drive dynamometer

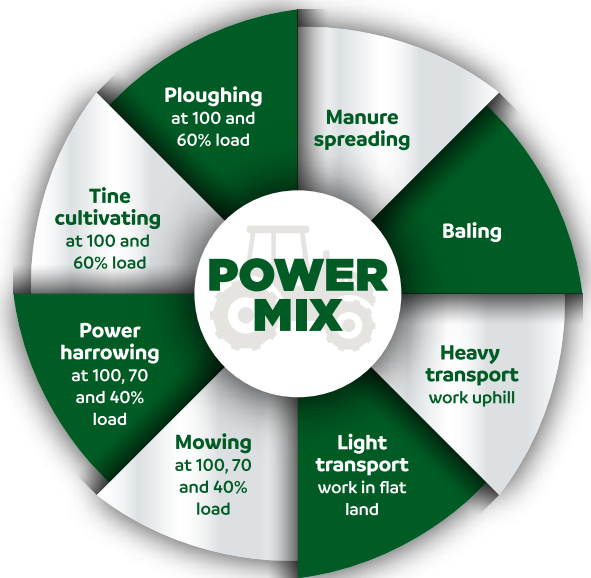
- Output and tractive force measurement
- Consumption and emission measurement
- Registration and recording of data
- Simulation of various operating states
- Climatic simulation



DLG PowerMix for tractors

Based on typical tractor working loads in practice, 14 test cycles have been defined in which the fuel and AdBlue consumption, the performance and ultimately the energy efficiency of the overall vehicle are determined on the DLG chassis dynamometer.

- Measurement of performance
- Measurement of fuel and AdBlue consumption
- NEW: testing of alternative fuels (biogenic fuel HVO)
- Determination of the energy efficiency of the overall vehicle
- Simulation of load cycles in typical field and transport work
- Partial and overall tests possible



The 'DLG APPROVED PowerMix' test mark is awarded to tractors that have successfully passed a DLG performance and consumption test according to the independent and recognised DLG PowerMix evaluation criteria.



OECD Tractor Codes 2 and 5 tests

DLG TestService is the official German OECD testing body for performance, consumption (Tractor Code 2) and noise measurements (Tractor Code 5) on agricultural and forestry tractors.

Benchmarking tests

On the DLG chassis dynamometer at the Test Center in Groß-Umstadt, manufacturers can neutrally and precisely compare their vehicles' fuel consumption with that of competing machines – including an analysis and optimisation suggestions.



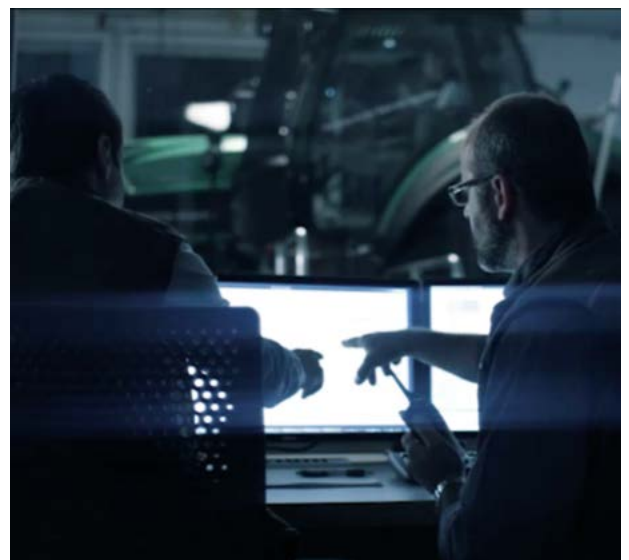
Tests during development

Here, manufacturers test prototypes and pre-production models under reproducible conditions – precise, comparable and practical. All tests can be conducted in continuous operation. The tests are adapted to customers' needs.

Homologation in the area of performance measurement

DLG TestService organises complete homologation procedures and conducts performance measurements in its own or external test laboratories.

- UN/ECE Regulation No. 85: measurement of the net power of internal combustion engines and electric drive trains
- UN/ECE Regulation No. 13: continuous braking performance test, Types II and IIa



You have the technology. We deliver the proof.

Information:



Your contact:

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Further DLG TestService testing and service offers:

- Testing of cabs
- Homologation/type-approvals (EU, UN ECE, StVZO)
- Tyre tests for tractors, trailers and implements
- Certification of lubricants, fuels and additives

DLG TestService GmbH is one of the leading international test and certification organisations for tractors, agricultural machinery and farm inputs. Our tests are based on the recognised DLG standards supplemented by comprehensive quality assurance in accordance with national and international standards. Our practical test methods are developed and continuously evolved by neutral expert committees. In addition to standardised test methods, we also offer bespoke tests for research and development as well as individual customer solutions. DLG TestService GmbH is an accredited and designated organisation that stands for independent quality in testing and certification services.

An overview of all accreditations and designations can be found at:



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