



WHOLE VEHICLE TESTING

Description

CSA Group Leyland's full vehicle testing, data collection and analysis services span public roads and test tracks around the world, providing commercial vehicle experts and appropriate instrumentation for the support of development activities. Services range from one off tests to full block mileage accumulation programmes and from single vehicle importers to OEMs. For rig-based testing, environments can be emulated through VSAC or chassis dynamometer tests. Expertise can be provided for areas such as testing ride and handling assessment and objective measurement, suspension tuning, multi-axle brake systems, NVH and durability. CSA Group Leyland has a wide experience with vehicles ranging from motorcycles and passenger cars through to large passenger vehicles, commercial and military.

Typical Applications

- Fuel consumption: Steady state, test profile (SORT) or prescribed route.
- Cooling trials
- Mileage accumulation
- Endurance testing
- Road load data collection (RLD)
- Brake / Steering system development
- Ride & handling assessment and objective test
- Vehicle tilt testing
- External noise (UN ECE R51)
- Coastdown
- Vehicle performance

Equipment & Facilities

- VSAC
- Chassis Dynamometer (Inc. Solar Load)
- NI based data loggers
- nCode Glyphworks
- LMS Hardware & Software
- Roller brake
- Vbox GPS speed sensors & dataloggers
- Somat data loggers
- Wide range of transducer and measurement tyres supported