



LABORATORY E TECHNICAL SERVICE AUTOMOTIVE

LABORATORIO

ECO laboratory is today aimed at Cat. L vehicle manufacturers but is able to satisfy, through other types of tests, every need in the automotive field for the purpose of homologation.

- TESTS FOR BRAKING SYSTEM EQUIPPED WITH ABS;
- POWER TESTS AND DRIVABILITY;
- COP AUDITS;
- NOISE, VIBRATION AND COMFORT TESTS;
- RESISTANCE TESTS ON COMPONENTS;
- TESTS ON MATERIALS;
- EMC TESTS - ELECTROMAGNETIC COMPATIBILITY;
- EMISSION BENCH AND SHED CHAMBER



TECHNICAL SERVICE

ECO got the exclusive recognition of European Technical Service Cat. B for the European type-approval of vehicles by Republic of Cyprus Road Transport Department (e49)

RTD-049-TS001-2017

Outside the European Community, the laboratory meets the requirements of the **FMVSS-122** and **CFR 40.86 (USA)** regulations and enjoys accreditations:

Certification Centre, TAIWAN
VSCC-Vehicle Safety
MOTC-APP. No. IT05-14-0

NALTEC, Japan Prove TRIAS 31-
J044(2)-01WMTC
Jikoshin No. 7014

The applicable Directives based on the different types of vehicles are:



Vehicles Category L

Regulation 168/2013/EU on the approval and market surveillance of two- or three- wheel motor vehicles and quadricycles.



Vehicles Category M, N, O

Dir. 2007/46/EC establishing a framework for the approval of motor vehicles and their trailers, and of systems, components and separate technical units intended for such vehicles.



Vehicles Category T, C, R, S

Reg. 167/2013/EU on the approval and market surveillance of agricultural and forestry vehicles.



Stationary engines:

Reg. (EU) 2016/1628 on the approximation of the laws of the Member States relating to measures against the emission of gaseous and particulate pollutants from internal combustion engines to be installed in non-road mobile machinery.

TYPE APPROVAL

Obtaining the type approval certificate is the first step that a Manufacturer must perform to be able to place the vehicles of his own production on the Community market.

ECO can perform all the checks and tests necessary to obtain this acknowledgment.

CONFORMITY OF PRODUCTION

For the entire period of production of a vehicle, the manufacturer must ensure its compliance with the standards based on which he has obtained the approval of the vehicle.

This is achieved by the repetition of tests and verifications on specimens taken from the series produced.

VEHICLES CLASSIFICATION

- L - MOTORCYCLES
- M - TRANSPORTATION OF PEOPLE AND BUSES
- N - FREIGHT TRANSPORT (LIGHT AND HEAVY TRUCKS)
- O - LIGHT AND HEAVY TRAILERS
- T / C - TRACTORS
- R - TRAILERS
- S - INTERCHANGEABLE TOWED EQUIPMENT