

SAFE AND CLEAN ROAD TRANSPORT *ALWAYS. EVERYWHERE.*



TECHNICAL VISIT

SUPPORTED BY:



GOCA Vlaanderen and the vehicle inspection company **AIBV** will guide you on a technical visit to the inspection center in Zemst. During the visit, some inspection lines will be reduced in activity but will continue to be operational. **We therefore ask you to observe all the security measures adopted by AIBV and to remain with the group to which you have been assigned.**

You will assist to four live demonstrations of vehicle inspection procedures:

- 1. PN EMISSION MEASUREMENT:** Vehicle exhaust particulate emissions increase with age and mileage. A significant increase in PN emissions was observed after 6 years and/or after 150.000 km. As the costs for replacing or repairing a DPF can be high, some end users decide to remove it completely. Thanks to the use of PN meters and their high sensitivity, manipulations of DPFs will be easily detectable in the future. Belgium starts this new emission measurement on the 1st of July 2022 as the first country in Europe.
- 2. SUSPENSION TEST:** There are different systems used to evaluate a suspension and/or dampers. Since 1992 Belgium was the only country who had an evaluation of the efficiency of the damping based on both an absolute as well as a relative criterion. Since 2012 the minimum phase shift method is implemented in all inspection stations in Belgium. This method provides, along with the magnitude response (adhesion), the phase response of the wheel versus the movements of the excitation plate. It's a system where no data management is needed and so independent of any vehicle type. This minimum phase shift will be demonstrated.
- 3. RD METHOD:** There are two kinds of brake test principles for testing the braking ratio which relates to the maximum authorised mass of heavy-duty vehicles: by using a laden, which relates to the maximum authorised mass on the one hand, or by using an unladen vehicle on the other hand. GOCA Vlaanderen will demonstrate the important advantages of the RD-method to evaluate the brake efficiency according to the maximal authorised mass.
- 4. INSPECTION AFTER ACCIDENT:** A vehicle that had an accident after 01.08.1999 and is heavily damaged on the chassis, steering, suspension, or braking system should undergo a post-accident inspection. Such an inspection includes a full non-periodic inspection supplemented by a wheel and chassis geometry measurement. AIBV will present a specific inspection of a vehicle after accident.

CITA ensures the transport from the conference location to the vehicle inspection site at 2:00pm and will bring you back around 5:00 pm. The GALA DINNER starts at 07:30 pm.

Sponsors :

