

## EXPERIMENTAL TESTING OF INFLUENCE OF DRIVE TRAIN SUPPORTS ON VEHICLE VIBRATIONS

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*Drive train oscillations cause vehicle vibrations, leading to unpleasant feeling of vehicle driver and passenger. At the same time, high drive train vibrations affect driving stability and individual drive train components endurance. Measurements of drive train supports characteristics can be made under static and dynamic conditions on the vehicle and in the laboratory. This paper presents results of measurements obtained for one vehicle coming from Zastava production program. Purpose of testing was to assess validity of drive train supports. The paper also presents recommendations for reaching assessment conclusions. Testing was performed in the road and laboratory conditions.*

*Key words: vehicle, oscillations, support, drive train, acceleration.*

## EKSPERIMENTALNO ISPITIVANJE UTICAJA OSLANJANJA POGONSKE GRUPE NA VIBRACIJE VOZILA

*Oscilacije pogonskog agregata izazivaju vibracije automobila, koje imaju za posledicu neprijatan osećaj vozaču i putniku u njemu. Istovremeno neumerene vibracije pogonskog agregata utiču na stabilnost vožnje kao i na izdržljivost pojedinih delova agregata. Merenje karakteristika oslonaca pogonskog agregata može se vršiti u statičkim i dinamičkim uslovima na vozilu i u laboratoriji.*

*U ovom radu dati su rezultati merenja na jednom vozilu iz proizvodnog programa Zastave. Ispitivanja se odnose na ocenu valjanosti oslonaca pogonskog agregata sa predlozima kako se do te ocene može doći. Ispitivanja su obavljena u putničkim i laboratorijskim uslovima.*

*Ključne reči: vozilo, oscilacije, pogonski agregat, ubrzanje.*