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THE CONTROL OF PASSENGER CARS EXHAUST EMISSIONS AT COLD START AND LOW AMBIENT TEMPERATURE

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The problem of passenger car exhaust emissions at low temperature is very actual in Europe at the moment. A new test procedure as well as new limits are expected to be adopted in EEC/ECE member countries very soon as additional control for passenger car approved according to ECE R-83/B. The new test will probably be OICA-C test which involves two or four urban driving cycles with the start of engine and sampling at the same time. The vehicle conditioning and test temperatures are proposed to be -7°C and regulated pollutants will be CO and HC.

Key words: passenger cars, petrol engines, exhaust emissions, regulations, cold start.

KONTROLA IZDUVNE EMISIJE PUTNIČKIH VOZILA PRI HLADNOM STARTU I NISKIM TEMPERATURAMA OKOLINE

U cilju daljeg smanjenja nepoželjnih ekoloških efekata putničkih vozila sa motorima SUS u Evropi se i dalje intenzivno radi na formiranju novih zakonskih propisa o dozvoljenoj emisiji izduvnih gasova. Bez obzira na nepovoljnu situaciju u kojoj se nalazi naša auto industrija, moraju se pratiti zbivanja u vezi uvođenja novih regulativa u oblasti kontrole emisije, zbog čega su izvršena određena ispitivanja radi sticanja iskustva i sagledavanja gde se nalaze naši proizvođači u svetlu budućih zakonskih propisa o dozvoljenoj emisiji pri niskoj temperaturi. Smatra se da će ovi propisi biti lansirani u Evropi u toku iduće godine sa primenom na modele godine proizvodnje '96/'97.

Ključne reči: putnička vozila, benzinski motor, izduvna emisija, propisi, hladan start.