

FEDERAL STATE UNITARY ENTERPRISE  
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“APPROVED”  
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September 03, 2014

**Scientific and Technical Report**

Subject: Studies of Catalyst INOIL-B (gasoline) and INOIL-D (diesel) Impact on  
Fuel Economy of Passenger Cars with Diesel and Gasoline Engines

**6. Conclusion**

6.1. The preliminary testing of fuel with INOIL-B (gasoline) catalyst on the power roller tester involving a BMW 320i car demonstrated preliminary results based on which the following may be concluded: the engine's output increases by 7.08% with INOIL-B added; in the city cycle comfort regime fuel consumption decreases by 9.03%, in the sport regime by 10.78%; in the extra urban cycle comfort regime fuel consumption decreases by 11.65%, in the sport regime by 12.13% (see Table 5).

6.2. The preliminary testing of fuel with INOIL-D (diesel) catalyst on the power roller tester involving a BMW 320 d demonstrated the results based on which the following may be concluded: the engine's output increases by 10.77% with INOIL-D added; in the city cycle comfort regime fuel consumption decreases by 10.96%, in the sport regime by 13.37%; in the extra urban cycle comfort regime fuel consumption decreases by 13.15%, in the sport regime by 17.91% (see Table 6).

6.3. The operation of engines with the catalyst demonstrated less vibration, noise, and improvement in the smoothness of the car's dynamic acceleration.

6.4. The results obtained are preliminary and cannot be used for certification, since they were not obtained on specialized equipment according to the International Rules of the UN Economic Commission for Europe № 83 and not in the entire scope required by these Rules.

6.5. To draw a conclusion about the possibility of the catalyst's safe use and its certification a number of additional studies is required: 1)

Examination of the safety data sheet for fuel chemical composition with additive; 2) Studies of fuel with additive for compliance with the technical regulation; 3) Assessment of detergent properties of fuel with additive; 4) Study of fuel with additive impact on environmental indicators; 5) Study of fuel with additive impact on reliability of the engine and its components; 6) Study of fuel with additive impact on the vehicles' performance characteristics.

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« 03 » сентября 2014 г.