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Stelmah A.U., Ternovaya T.V., Alyokhin S.A., N.V. Klimenko,

G.V. Scherbanenko On the way to the friction without a wear // Internal combustion engines. – 2007. – № 1.

– P. 104-108.

Results of tests on determination of efficiency of the new

molecular modifier of friction (ММF), developed by Kiev National

Aircraft University are presented in the article. By results

of the laboratory research, the introduction of ММF in technical

oils and fuels allows considerably to decrease a friction

coefficient. The tests of motor oil with 5% of ММF in the engine

1Ch 8/11 have shown that the doping with ММF results in

increase of power on 5,1% and decrease of specific fuel consumption.

At the change to the standard motor oil the positive

aftereffect of the additive remains. It is recommended to prolong

research and test of the additive ММF in friction pairs of

different machines and internal-combustion engines. Tabl. 5. Il.

2. Bibliogr. 2 names.