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Tymoshevskyy B.G. The motor properties of alternative fuels obtained from the polymer waste / B.G. Tymoshevskyy, M.R. Tkach // Internal combustion engines. –

2009. – № 1. – P. 83-89.

The basic motor properties of alternative fuels produced

due to the processing of thermoplastic waste have been studied.

It is established, that the choice of the rational process flow

diagram for processing and appropriate parameters allows for

production of gasoline, diesel fuel and heavy fuel, whose technochemical

properties permit to use these fuels for the heat

engines. The basic process flow diagram for producing the

alternative fuels from the polymer material waste alongside

with the basic motor properties and commercial fuel output has

been given. It is shown that the properties of these alternative

fuels at the appropriate process parameters can be very similar

to those of standard fuels. The indicator diagrams for the

6ChN12/14 engine using the conventional and alternative diesel

fuels have been given. Tаblе. 4. Il. 9. Bibliogr. 10 names.