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Perfection of the design of the fuel system of the auto-tractor diesel engine for improvement of its operation in conditions of the winter use // Internal combustion engines. – 2006. – 1. – P. 112-117.

The problem of deterioration of serviceability of the fuel system of the auto-tractor diesel engine in conditions of the winter use is revealed. It is shown, that in conditions of the provision of operation of the modern diesel engine on different kinds of fuel, namely: diesel fuel, biofuel and heavy mineral motor fuels, the most effective method of increasing of serviceability of the fuel system of low pressure in conditions of the negative temperatures is the application of fuel heating upstream of filtering elements up to the temperature, saving its filterability.

Design solutions for the automobile diesel engine fuel system are offered and their experimental test till the minimum fuel temperature - minus 45 ° is carried out.

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