

**Decrease in Toxicity of Emissions of Diesel Engines
by Application of Electro-Adaptive System
of Fuel Thermo-Stabilization**

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Abstract: The problem of toxicity of emissions by diesel engines of auto-tractors is considered. The effect of high pressure of fuel temperature on the toxicity of emissions and deterioration of fuel pumps is proved. The description of electro-adaptive system of thermo-stabilization of fuel and its design features is made. The mathematical description of the process of thermo-stabilization which allows proving the parameters of thermo-stabilizing system at the stage of theoretical research is made.