ANALYSIS OF TECHNICAL, ECONOMIC AND ECOLOGICAL INDICATORS OF THE OPERATION OF RECIPROCATING INTERNAL COMBUSTION ENGINES OF FIRE AND EMERGENCY RESCUE EQUIPMENT UNITS

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Analysis of the technical, economic and ecological performance indicators of reciprocating internal combustion engines of fire and emergency rescue equipment units is a relevant task in view of the need to ensure compliance with the requirements contained in the Order of the State Emergency Service of Ukraine No. 618 (on the main activity) dated September 20, 2013 "On approval of the Regulations on the organization of environmental support of the State Emergency Service of Ukraine" both during times of armed aggression and the post-war reconstruction of the country's critical infrastructure and economy in the historical perspective of ensuring the goals of sustainable development, defined in the Decree of the President of Ukraine No. 722/2019 dated September 30, 2019 "On the Goals of Sustainable Development of Ukraine for the period up to 2030" [1-3].

The purpose of the study is to obtain relevant information on the technical, economic and ecological performance indicators of reciprocating internal combustion engines of fire and emergency rescue equipment units as a basis for further research on ensuring the technogenic and ecological safety of the operation of equipment units of the institutions and units of the SES of Ukraine, as well as the development of relevant recommendations and environmental protection technologies.

The object of the study is the indicators of the technogenic and ecological safety of the operation of equipment units of the institutions and units of the SES of Ukraine both during armed aggression and the post-war reconstruction of the country's critical infrastructure and economy in the historical perspective of ensuring the goals of sustainable development.

The subject of the study is the impact of the technical, economic and ecological performance indicators of reciprocating internal combustion engines of fire and emergency rescue equipment units on the object of the study.

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