

TECHNICAL-SCIENTIFIC ANALYSIS REGARDING THE POSSIBILITY OF FUEL AND NOXES REDUCTION OF DIESEL ENGINES THAT EQUIPP S.C. SANGO WATER CO S.A. PERSONS TRANSPORT VEHICLES

Goal of the project

The aim of the project is to identify the technical solutions that can be implemented on a target group of vehicles in order to reduce the fuel consumption as well as the emissions exhausted during their operating regimes.

Short description of the project

Within the project, the fuel consumption of a group of vehicles was analyzed based on pollution standards and real operating conditions.

Implementation period

01.10.2019–24.05.2020

Project implemented by

The project will be implemented by S.C. Sango Water Co S.A.

Main activities

- Identification of real test conditions.
- Determining the fuel consumption for the buses in the target group.
- Measurement and verification of results.

Results

- The factors that lead to a reduction in fuel consumption at a target group of buses were identified
- Technical solutions for optimizing fuel consumption have been proposed.

Applicability and transferability of the results

- The obtained results led to the identification of technical solutions to reduce fuel consumption, and implicitly, the pollution degree, so that the emission values to fall within the limits imposed by pollution standards.

Financed through/by

S.C. SANGO WATER Co S.A.

Research Centre

Research Centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control,

Research team

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