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Air Pollution Estimates from Vehicular Emissions in Amphoe Muang Lampang, Thailand

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In this research, engine emissions from different vehicle age, type and used fuel in Amphoe Muang Lampang in Thailand were measured and studied with a portable gas combustion analyzer. Concentrations of carbon monoxide (CO), carbon dioxide (CO₂), oxygen (O₂), nitrogen oxides (NO_x) and sulfur dioxide (SO₂), as well as exhaust gas temperature (flue temperature, FT), net calorific efficiency (Eff_n) and gross calorific efficiency (Eff_g) were measured. Together with vehicle number statistics gathered from the Lampang Land Transport Office, results from this study will be used to estimate the amount of vehicular pollution released.

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