



EFFECT OF FTC FUEL TREATMENT ON REDUCED CO₂ AND EXHAUST TEMPERATURES

A study was made of the quite extensive data base of information extracted during Fuel Technology's exhaust emission carbon balance fuel efficiency test programs.

The purpose of this study was to determine whether or not a clear trend was discernible of reduced CO₂ levels and reduced exhaust gas temperatures.

The result of this study confirms that FTC fuel treatment will reduce CO₂ levels and exhaust gas temperatures as well as soot particulates and, of course, fuel consumption.

Exhaust Temperature Analysis

Review of exhaust temperature results from 50 diesel gensets:

decrease	38 units (75%)
unchanged	2 units
increase	10 units

Average reduction in exhaust temperature 9.2°C

CO₂ Gas Analysis

Review of CO₂ levels from 108 units made up of 50 gensets and 58 mine mobile units:

decrease	94 units (87%)
unchanged	2 units
increase	12 units

Average reduction of CO₂ gas levels 3.7%

Recent studies conducted by Southwest Research Institute at San Antonio, Texas, has confirmed our field studies and show reductions in carbon monoxide ranging from 13.5% to 24%. Particulates (g/mL) ranging from 20.6% to 37.3% and NO_x gases (g/mL) ranging from 0% to 20.5% and unburned hydrocarbons ranging from 1.4% to 13.8%.

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