



GLOBAL WARMING CONNECTIONS

Sonic Spark, LLC.
1516 Xavier #150
Denver, Colorado CO 80204
303-936-2085
1-800-243-6674

www.enginebrain.com www.sonicspark,llc.com

January 16, 2014

Honorable Colorado Air Quality Committee;

With the freezing temperatures that have developed in the country, it will be argued that Global Warming is a myth. However, what is not understood is when ice melts, 60 calories per gram is absorbed in the change of state from ice to water. The calories of heat required for this change has to come from the environment. Therefore, the environments adiabatic temperature will be decreased which will result in lower air temperatures in the winter months. However, in the summer months with increases of Carbon-di-Oxide in the air, the air temperatures will be greater resulting from heat entrapment.

The increasing effect of Carbon-di-Oxide is compounded as a result of the extensive forest fires that has decreased the conversion of CO_2 to O_2 . With our extensive use of fossil fuels, CO_2 air concentration will increase, and the O_2 concentration will decrease. The compounding effect will be the temperature difference between winter and summer will be wider, winter colder, and summer hotter.

I have argued to this Committee, that the intensive forest fires that are occurring are a result of the obscure effect of automotive emissions that result from the extensive combustion process of Lean Burn, such as Turbo Chargers to increase mileage and power. The production chemistry of Nitric Acid, HNO_3 , with the Nitrate Ion that is a brother to the explosive Nitroglycerin. Nitric Acid, as a result of Lean Burn Combustion, forms acid rain which is damaging to agriculture, and effects the photosynthesis process in the conversion of CO_2 to release Oxygen, O_2 . The unbalance of the photosynthesis process of CO_2 to O_2 conversion is further damaging to the limiting of the action of the Rubisco Enzyme in the specific formation of Hydrocarbons and Nitrides in the plant leaf system.

Global Warming is a subtle product of technology for requirement of energy. There is no way to stop it without economic crises. As the inventor of the Sonic Spark Plug, US Pat. 5,610,470, I have been addressing automotive efficiency, combustion, emissions, and environment for over ten years. The established market products are set, and are very difficult to change. 9/11 impacted the marketing of the Sonic, Spark Plug to improve combustion efficiency. The existing market is in control, and exerts its political punch to limit changes. Infact, energy, and environment problems become opportunistic opportunities that can be further damaging. Examples: Catalytic Convertor, Hydrogen water technology, Chip Change, Turbo Chargers, etc. Market entrenched government programs are not easily challenged by market forces.

As an Engineer and Inventor, I see the most environmental challenge is the Nitrate Ion which will impact the entire agricultural system. Therefore, the EPA must review the automotive emission requirements. The major emission limit must be NITRIC ACID as a component of the NITRATE ION.

Respectively; David Wofsey, Chief Agent of Sonic Spark, LLC.

Attachment: Nitrate Ion a Brother of Nitroglycerin, Oct. 17, 2013

Nitrate Ion a Brother of Nitroglycerin

Honorable Colorado Air Quality Committee:

The importance of the work of this committee is stressed in:

CFR 49, Chapter V, Part 520.5

Guideline for identifying major action significantly affecting the environment:

Par (9) Any action that may directly or indirectly result in a significant increase in the amount of harmful emissions resulting from the operation of a motor vehicle.

Par (13) Any other action that causes significant environment impact by directly or indirectly affecting humans through impacts on environment.

In today's automotive market, the direction is to increase power and mileage through increasing lean burn, and extensively to Turbo Chargers. I have given many speeches to this committee counter to this design practice. My arguments are based upon my knowledge of Chemistry and Physics analysis of the combustion process in the automotive cylinder. Basically, the major oxidizer is Ozone not Oxygen. At 200° Centigrade, Oxygen translates to a very reactive state of Ozone for the Hydro Carbon reaction. If this change did not take place, the automotive engine would not work. Oxygen is slow, Ozone is instant. Then, the next step near the peak of compression, is the splitting of the Nitrogen Molecule which reacts with the excess of Ozone resulting from a Lean Burn such as Turbo Chargers, This forms the Nitrate Ion, NO₃ which reacts with the Hydrogen from the formation of water, to form Nitric Acid, HNO₃. With stoichiometric combustion, there is no excess Ozone to form the Nitrate Ion, and Nitric Acid.

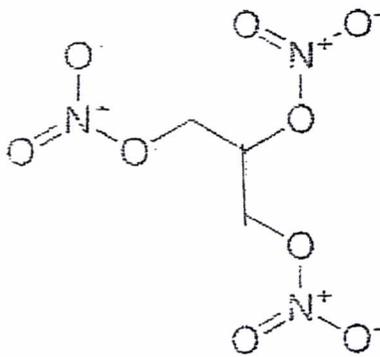
In my last presentation, I presented the relationship of Nitrate Ions in Nitroglycerin to the Nitrate Ion, from excessive Oxygen Charging, in automotive combustion. Bluntly, the Nitrate Ion, contained in Nitric Acid, is a brother to the explosive Nitroglycerin. The physical properties of Nitroglycerin have been studied, and correlate to the physical properties of the Nitrate Ions that are distributed through our forestry and agricultural system. With our recent disasters of forest fires, we need understanding of the physics of the Nitrate Ion relating to forest fires:

1. The Hydrogen of Nitric Acid disassociates to release the Nitrate Ion.
2. The Nitrate Ion has a Negative Charge that bonds to Hydrocarbons that have a positive formal charge.
3. The Nitrate Ion contains one third the energy of three Nitrate Ions of Nitroglycerin.
4. The Nitrate Ions that are embedded in the tree structure, releases its energy at a detonation temperature.
5. The release is THREE OXYGEN ATOMS at a temperature of 500 Degrees Centigrade at a flame velocity thirty times the speed of sound.

Voila: Big Forest Fires. QED.

I close with illustrations of my argument against Turbo Chargers that contribute to forest fires, and will impact the whole agricultural system. TURBO CHARGERS VERBOTEN

Thank You: David Wofsey, Chief Agent of Sonic Spark, Llc,s



Nitroglycerin

