Why is Econal different from fuel additives?

Instead of just adding something to the fuel, Econal™ literally transforms fuel in a dual-phase process that occurs in both the tank and the engine. In the tank it dissolves wax crystals while removing water and biological agents, stabilizing and homogenizing the fuel. It bonds with hydrocarbon molecules which increases available oxygen while adding billions of nano catalytic particles, transforming the fuel into a catalytic carrier. Once the transformed fuel reaches the heat of the combustion chamber, Econal™ works again to break down fuel molecules into smaller particles while simultaneously stimulating billions of catalytic reactions in the fuel cloud during each combustion event. This increases the speed of each combustion event which develops more down force on the piston, increasing horsepower and torque. The fuel is also burned more completely, reducing harmful emissions and increasing fuel economy.

What testing has been done on Econal™?

We have over 10,000,000 miles of in-service testing on hundreds of different vehicles during a 6 year period with some of the vehicles using the product for over 150,000 miles. Thousands of gallons of Econal have been used to transform HFO used to heat boilers for a wide variety of applications including power generation and cement manufacturing. Lab and university tests in 4 countries have verified the fuel transforming qualities of Econal including the reduction in pour point.

Will using Econal™ void my manufacturer's warranty?

The Magnusson-Moss Warranty Act offers consumers protection against voiding manufacturer's warranty when using a product that is approved by the EPA as long as the customer is adhering to the established warranty service and maintenance requirements.

Will Econal™ work with Biodiesel Blends?

Not only does Econal™ work with blends of biodiesel, it addresses many of the challenges with using this alternative fuel. Biodiesel blends have a higher cloud and pour point verses regular diesel and usually provides less power and lower fuel economy. Econal™ significantly lowers the cloud and pour point of biodiesel and dramatically increases power and miles per gallon. In some cases, biodiesel can have more water content than regular diesel which can promote microbial growth. Econal™ removes water, mold, bacteria, and other biological agents while inhibiting future growth

in storage or fuel tanks. Using the product significantly decreases NOx emissions, a problem with biodiesel made from some feed stocks.

How long does it take to see results?

Increases in horsepower and torque are experienced immediately in vehicles and increases in thermal efficiency and combustion efficiency are experienced within the first hour in furnace applications. Some engines could take up to 1200 gallons of fuel that has been transformed by Econal™ to become fully optimized to experience maximum benefits. The time it will take to completely clean and lubricate the fuel system, remove any built up carbon from the combustion chamber, will vary according to the condition of the engine when the product is implemented.

Will Econal™ damage my engine in any way?

No. In fact Econal™ will keep the fuel system clean and lubricate injectors, lower exhaust gas temperatures increasing turbocharger life, while decreasing oil contaminates. These are just a few of the reasons that using Econal increases engine life. However, the benefits of the Fuel Transformer, Econal™ are not permanent and require continual use.

Why does Econal™ cost more than other products?

It is difficult to compare Econal™ to other products because it currently has no competitors. There are far more costs associated with not using Econal™ than with using it. However, the total economic benefit of using Econal™ is difficult to estimate because it is made up of many variable components. First, Econal™ replaces all fuel additives and treatments. Each company uses a different combination of additives that vary in total cost which can be eliminated and included in our calculation of total benefit as referenced in the table below. Second, diesel fuel that has been transformed by Econal™ burns more efficiently and completely, increasing power and lowering emissions. By implementing our verification protocol, an increase in miles per gallon of 10% or more can be proven. This results in a savings of at least .30 per gallon with diesel selling in the $3.00 range, which will more than pay for the use of the product by itself. Third, using Econal™ generates many factors that contribute to an overall decrease in maintenance costs and an increase in engine life. These factors include: micro lubrication that protects and maintains fuel injectors, lower exhaust gas temperatures that increase turbocharger life, reduction in oil contaminants resulting in longer maintenance intervals, and the creation of a sacrificial coating in the combustion chamber and valve train that acts as a wear barrier. Finally, there are valuable benefits associated with drastically decreasing harmful emissions through the use of Econal™ . It is impossible to calculate the potential cost of global warming that is in part being caused by greenhouse gases. It is also difficult to estimate the actual impact that decreasing air quality has on the health of the population. Using Econal™ decreases the production of harmful emissions like soot, unburned hydrocarbons, carbon monoxide, and NOx by 70% - 95%. This product alone can make a significant difference in the fight against climate change. Companies that use Econal™ will also enjoy a public relations and marketing benefit derived from being more environmentally friendly.
