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Biodiesel can extend the life of your engine whether it is in your diesel equipped auto, truck, tractor, bus or highway rig. Biodiesel can increase the longevity of your engine by up to 100 %. Costs are reduced â€“ whether it be for maintenance or vehicle replacement. The engine last longer , breaks down less frequently resulting in longer vehicle life spans , greater reliability and overall less vehicle costs â€“ again be it diesel equipped auto , car, truck ,tractor or highway rig.

How can this be so? The improved lubrication properties of biodiesel over regular vehicle diesel fuel results in increased parts longevity by up to 100 %. As a result commercial vehicles may be used for decades as well as travel millions of miles. Increased engine longevity translates into reduced maintenance costs, longer life spans and overall increases in reliability.

Biodiesel is a renewable fuel derived from vegetable oils, animal fats and cooking oils that are processed so that it can be added to diesel fuel as an additive. You cannot just mash up these fats and mix them with your diesel fuel. It is not as if any old Alvero character can make biodiesel in his garage at home. If the biodiesel is not prepared properly in a qualified industrial process â€“ the contaminants of water, glycerols and other trace elements can well clog up your fuel injectors or even an expensive injection pump. Properly done biodiesel is a safe and beneficial fuel additive â€“ now being routinely recommended and touted by major vehicle and diesel engine manufacturers.

Prepared properly in a commercial setting. and bought commercially you can be assured that not only will the biodiesel will be safe for your engine to use â€“ but will even give the benefits of much greater engine life , enhanced reliability and lower maintenance costs overall.

Biodiesel is added to the regular diesel fuel. The percentage added depends on the climate the vehicles or autos will be used in. In warmer climates â€“ such as tropical or Florida type climates â€“ a percentage mixture of up to 20 % can be used. A 20 % biodiesel percentage in a truck driven up North to Edmonton Canada in the cold of winter will thicken up in the cold Alberta winter weather.

In such a cold winter temperature a biodiesel mixture ratio of 5 % would probably be used. To increase the blends of biodiesel used commercial vehicles such as trucks and busses can have fuel heaters installed â€“ either inline fuel heaters of fuel tank heaters.

Why go to all this trouble for biodiesel ? First of all biodiesel is a renewable resource â€“ crops such as soybean oil or canola can be used instead of scarcer and more expensive petroleum oil based products. Using biodiesel doe mean that we use less regular diesel, however the percentages of biodiesel use are relatively small. For example most diesel manufacturers recommend only 5 biodiesel (B5 mixed wit 95 % regular diesel. Of course again in colder climates such as Edmonton Alberta the percentages may be eve less. Biodiesel is also good for reducing emissions and pollution levels of sulphur, carbon monoxide as well as overall tailpipe smog pollutants.

However as with most good things in life there are disadvantages to the use of biodiesel as a vehicle fuel additive. First biodiesel has slightly less energy than regular diesel fuel, so that the larger the percentage content of the Biodisel in the fuel â€“ the less power the engine will have to deliver. Fortunately at the low percentages of biodiesel being used as a fuel additive this is not a major issue.

In addition biodiesel spoils with time. If the biodiesel is too be stored for a long period of time â€“ then additional additives must be added.

As a result of its benefits to reducing petroleum oil use and increasing engine life and reliability biodiesel has a bright and emerging future in our transportation and automotive industries.

The use of biodiesel â€“ an alternative renewable fuel, is fast on its way up.

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