Lubtech Boron Nitride is created under the concept of “Save the limited oil resources to protect our environment.” By adding this oil into regular engine oil of your car, you can reduce CO2 producing and eventually contribute to prevention of Global Warming.

What is Lubtech Boron Nitride?

Lubtech BN is newly created additive oil for engine motors that raises average 25% of fuel-efficiency by reducing friction losses between metals within the motor. The first Boron Nitride was invented in Japan more than 20 years ago, however, its’ smallest particles were around 5 microns that were too large for adding into engine oils. With using latest technology, Lubtech BN is improved to contain particles as small as 0.01 microns that even be flexible to vary in its’ sizes. It is physically almost non-activate condition, and does not easily adhere to other materials.

In general, the filtration capacity of additive oils for cars are 30 microns for general cars with gasoline and 5 microns for cars with diesel engines, and Lubtech BN particles are absolutely no problem to pass through this filtration. It never works properly if these particles were too small or too large for this filtration, and Lubtech BN is the one that maintains the prefect size of particles. With latest oil technology and plenty of feedback from our car racing support experiences, Lubtech BN is finally invented for general car usage.

6 special features of Boron Nitride

1. **Good heat stability**

It keeps good condition until the temperature gets 2,000C in evacuated atmosphere and 2,200C in non-activate atmosphere.

2. **Good heat conductivity**

It is formed by ceramics with high heat conductivity such as coppers.

3. Low heat expansion

It performs good heat impacts with high hear conductivity and low heat expansion.

4. Good lubricant and mechanical processing efficiency

The particles hold formative exfoliation and smoothly move along with layers on the surface. Friction coefficient is lower than 0.2 microns in 900C atmosphere. Precise processing are possible with multipurpose machines such as fraise NC.

5. Good chemical stability and Low corrosion rate

It maintains stable conditions to both organic and inorganic materials, and low corrosion rate to different materials.

6. High quality of non-conductance

It is a high quality insulator with low electric conductance in wide range of temperature. Using this quality, it is also applicable to use as a conductance materials for high frequency.

Tips for better fuel efficiency

It is possible to raise fuel efficiency only by adding Lubtech BN into engine oil of your car, more efficiency could be learned by using these tips…

1. Do not keep stepping on the accelerator.

By using Lubtech BN, the noises and vibrations of engine itself are decreased, and it may cause higher revolutions if you drive the same as before. Be conscious about revolutions and step on the accelerator only when you need. It also decreases the amount of CO2 discharge during driving.

2. Use engine breaks on down slopes

It is the most effective way to raise fuel efficiency sine no fuel is provided into the engine while engine break is used.

3. Step on the accelerator/break pedal gently

Sudden acceleration/speed reductions require more fuel than usual. It is better to speed up/down gradually.

History of Lubtech International

Hiroshi Sato, a president of Lubtech International had contributed his knowledge of lubricant oils for different usage. From 1983 to 1987, Saito was a member of additive lubricant oil project of Japanese major ceramics farm, and researched how to apply fine ceramics to lubricating oils for cars. In his research, it is concluded that there are 3 lubricant additives(1. P.T.F.E 2. Froro Carbon 3. Boron Niteride) that are with high potentials of usage in the near future. As soon as this research was published on a newspaper, a director of research section from Petro FINA, the largest oil company in Belgium contacted Sato. Ever since this encounter of both FINA and its oil products, Sato and FINA
exchanged their opinions, then Sato started distributing high quality lubricating oil products in Japan 15 years ago. In 2003, FINA was integrated into TOTAL and they stopped producing FINA products, and Sato established his own oil brand Lubtech. In 2004, using Boron Nitride that is most the most suitable as a oil additive, Lubutech Boron Nitride was invented and produced in the market. Currently clients Lubtech BN are more than 1,800 companies allover Japan, and Sato continues developing new products that reflects more customer needs as well as environmental friendliness.