



INTERVIEW WITH MR İSMAİL ÇIKÇI
DIRECTOR OF NANOBORON LTD.
(Member of the TBCCI)

NanoBoron LTD, based in Regent Street, London, is the UK and the Republic of Ireland's exclusive importer and distributor of premium high-tech products BORPower™ for NNT Nanotechnology AG, based in Germany. BORPower® is a high-tech nanotechnology lubricant additive with advanced properties aiming to reducing friction and abrasion in working mechanical systems and lowering maintenance and part replacement costs. The advanced technology behind the manufacturing of BORPower® resulted in its exhibition at the Deutsches Museum in Munich, Germany.



NanoBoron products are monitored following the standards ISO 9001:2001. They have been tested and certified by: Southwest Research Institute San Antonio Texas, USA, April 2006, TÜV Germany (Technical Inspection Agency), Hanover, Germany, March 2007, Federal Institute for Materials Research and Testing, Berlin, Germany, February, 2007, and TSE.

NanoBoron Ltd is a member of the Turkish British Chamber of Commerce and Industry and CTCC, Cyprus Turkish Chamber of Commerce.

Q. Mr Çıkçı, will you please introduce yourself?

I was born in Kastamonu in 1970, and have been living in Istanbul since 1974. In 1986, I was involved in the food industry of my family. Since 1996, and after graduating from the faculty of Administration Studies of Marmara University, Turkey, I specialized in water purification systems where since 1996 I became active in design and sales of these systems in Turkey as specialised dealer and in 2002 I extended my services to heating and cooling systems. I am married and father of three children.

Q. Can you please tell us about your company?

NanoBoron Ltd was launched in April 2008 as the UK and the Republic of Ireland's exclusive distributor for NNT Nanotechnology AG. We are the exclusive importer and distributor for BORPower™ products manufactured using original process technology owned by NNT Ar-Ge. Our products persuade through technology and quality. We enable our customers to save resources and to lower pollution of the environment. End users around the world shall get to know and to value our products. We are committed to promoting green product, and attending events under the green flag, where for example we are exhibiting its product range at this year's Euro Bus Expo 2008, and our stand is located in the Environment Zone.

Q. Can you please tell us about your products?

BORPower® is a premium high-tech lubricant additive that helps achieving a significant and sustaining reduction of friction, abrasion and corrosion on working metal surfaces for engines and machines found in the private, commercial, and industrial sector. This is done by building up a film between two metallic surfaces. This film inhibits the direct contact of the frictional surfaces, which is the cause of abrasion and friction (heat development). In addition, BORPower® helps to cool the frictional surfaces, to seal the surfaces, to prohibit corrosion on the surfaces or to reduce the running noise.

BORPower® S-250 and S-600 are nano boron crystal lubricant additives that can be used in all transport vehicles with 4-cycle engine (taxi, car, van, jeep, pickup, bus, coach, lorry, truck, goods vehicles, waste vehicles, etc .) but cannot be used with 2-cycle engines.

BORPower® was tested successfully with turbo-charged motors. It does not damage or diminish the function of catalytic converters and is compatible to all mineral and synthetic oils on the market as long as they satisfy the technical specification of the manufacturer. BORPower® can be disposed at every oil change together with the waste oil.

Q. How does BORPower® work in the engine?

BORPower® contains the active ingredients boron diamond powder (MCDP) and nano boron. Under high pressure between two metal surfaces, the boron diamond crystals are pressed into the material to form a boron metal film. This film is diamond-hard and at the same time very slippery. The nano boron forms a low-friction solid lubricant film in between these films. Boron diamond crystals not integrated into the metal surface act as bearing balls, which further reduces friction and abrasion. This is because sliding friction is turned into the much smaller rolling friction. The boron diamond crystals are 5 nanometers in diameter, which is the 20.000th part of the diameter of a human hair! BORPower® helps cooling down the frictional surfaces, sealing the surfaces, prohibiting corrosion on the surfaces and reducing engine noise.

Q. What differentiate BORPower from the existing products in the market?

BORPower: 1- Is the only product with publicly declared Tests and certificates (from independent bodies). 2- Is a high Technology Product, Nanotechnology boron-based, result of a patented formula with exclusive know-how. 3- Offers the lowest friction coefficient amongst existing lubricants. 4- Is Based on physical process (no chemical reactions involved), environmentally friendly, non-toxic, and non-acidic. 5- Offers long Lasting effect (40,000 Miles): majority of existing products last for much shorter distance (between 1000, liquid lubricants, and 25,000 miles, solid lubricants). 6- Is a multi-effects product: "All-in one" solution. 7- Is covered by a public liability of 2,000,000 Euros with publicly available warranty document.

Q. What are the advantages and benefits of these products?

The advantages of applying BORPower can be classified into 3 categories:

1. Cutting Costs: By lowering fuel consumption (up to 15%), extending engine life span (up to 100%)

2. Increasing Efficiency: By Improving engine power (up to 9%), reducing oil temperature (up to 30%), lowering the burn-up & degradation of the motor oil, lowering engine wear, reducing corrosion & friction;

3. Saving the Environment: By reducing CO2 emission (up to 15), reducing demand on fossil fuels (up to 15%), reducing the amount of waste oil, Non toxicity, non acidity, and chemically inert properties, lowering engine noise, and air pollution and its consequences as health problem and global warming.

Q. What are your goals and projects?

Our aim is to market high-tech products based on nano-structured materials with extraordinary features based on technology and quality; enable our customers to cut costs and emissions, thereby reducing their impact on their wallet and the environment; and become a globally recognised and valued brand.

Q. How do you see the role of Chambers of Commerce in relation to your goals and projects?

It is known that Turkey is one of the important growing markets in the world. The trade volume with EU countries, particularly the UK, has grown impressively in recent years. The message is clear: The UK and Turkey are key business partners. I believe that TBCCI is paying a particular attention to building up this partnership further. I am looking forward to a great year of further UK-Turkey business!

Thank you Mr Çıkçı