

NEWS RELEASE

fahrmitgas.de P1000 LONGLIFE

The First Autogas Additive That Protects Intake and Exhaust Valves

Using LPG autogas for fuel is not just a cheaper than gasoline, it is also more eco-friendly thanks to a reduction in CO₂ emissions of up to 15 percent.

Unfortunately many modern engines are not suited for autogas operation since their cylinder heads lack the necessary hardened valve seats. Contrary to gasoline, LPG autogas does not contain any ingredients that lubricate valves and valve seats, which can lead to expensive engine repairs on a number of different cars.

fahrmitgas.de, one of the leading system developers for autogas installations, has developed the P1000 LONGLIFE autogas additive in cooperation with ERC, the German manufacturer of high-performance additives. It is the first product of its kind proven to protect both intake and exhaust valves. It provides reliable valve protection and prevents engine failure.

The effectiveness of fahrmitgas.de P1000 engine protection was proven in an endurance test unequalled in the autogas industry. Two identical latest-generation automobiles that meet the latest EURO V emission limits completed a defined test cycle of 30,000 kilometers on autogas.

The test vehicle that did not use the additive exhibited a marked deterioration in intake and exhaust valve play after just 4,000 kilometers. At the next check after 7,500 kilometers the exhaust valve play already exceeded the manufacturer's permissible tolerances. A short time later the vehicle suffered cylinder head failure. After repairs the endurance test was continued with almost identical results including another massive engine failure.

The second test car covered a distance of more than 30,000 kilometers without any problems using fahrmitgas.de P1000 and a computer-controlled additive metering unit. Valve play was checked at identical intervals. No deviation from the new condition was detected over the entire span of the endurance test.

The result is clear: The fahrmitgas.de P1000 LONGLIFE additive transforms engines normally not suited for autogas operation into engines that can be operated with markedly lower emissions and at half the cost of gasoline.

"With fahrmitgas.de P1000 we are able to give many more drivers the chance to drive cheaper and more eco-friendly by converting to autogas operation," says Udo Szamatulski, managing partner of fahrmitgas.de.

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“As the result of this complex endurance test clearly shows, our cooperation with fahrmitgas.de has paid off,” explains Dr. Thomas Reynolds, chief executive of ERC Emissions-Reduzierungs-Concepte GmbH. “The P1000 additive is without a doubt a milestone on the path to further increase the global market share of autogas and gasoline dual-fuel operation.”

The fahrmitgas.de P1000 additive is dispensed by an electronic metering unit that automatically mixes additive and autogas at a 1:1000 ratio. A one-liter bottle that retails for 19.90 Euros is enough for 1,000 liters of autogas. In a car with an average fuel consumption of seven liters per 100 kilometers this one bottle of P1000 will last for more than 14,000 kilometers.

Some 500 kilometers before the additive runs out a warning light informs the driver that it is time to replenish the P1000. When the additive supply runs out completely the autogas system is automatically deactivated to prevent engine damage. Naturally the car can continue in gasoline mode without interruption.

The fahrmitgas.de P1000 reservoir is refilled at the workshop. The additive comes with an activation code that restarts the autogas system. This measure ensures that the engine is not damaged by the use of a non-tested additive.

The development of the fahrmitgas.de P1000 LONGLIFE protection for intake and exhaust valves allows many cars whose engines prohibited autogas operation in the past to be driven now using this eco-friendly alternative fuel.

The fahrmitgas.de development team is already working on conversion kits for a number of different makes and models.

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