



Product information

Top Oil

Bardahl Top Oil is an additive for gasoline and diesel fuels designed to lubricate and protect the engine's upper cylinder area while keeping the carburetor clean. **Bardahl Top Oil** also retards carburetor icing and works against fuel system corrosion.

The problem

The hot combustion gases combined with the normal piston movement works to strip oil from the upper cylinder walls. These fumes also build deposits of carbon and varnish on the rings and cylinder walls, which causes the engine to lose power, consume excess oil and suffer blow-by problems. Similar deposits collect between exhaust valve guides and stems, leading to sticking valves, which cause misfiring, poor performance and excess fuel consumption.

Exhaust gases, crankcase breather gases and dirt enter the carburetor with the air, fouling the carburetor throat and butterfly, primarily while idling. Some of these fumes and gases pass through the carburetor and cause deposits and wear at the intake valves. These deposits lead to sticky intake valves, poor carburetion and poor performance.

The action

Bardahl Top Oil contains high-grade oil to lubricate rings, cylinder walls and valve guides, much the same way an oil/fuel mixture lubricates a two-stroke engine. It is vaporized in the carburetor and is disbursed through the intake valve into the cylinder, lubricating rings, cylinder walls, and the valve area. While **Bardahl Top Oil** lubricates, it also softens carbon deposits, which then burn away more easily during normal combustion.

The multipurpose cleaners contained in **Bardahl Top Oil** dissolve carburetor and valve deposits and form a molecular film on the metal. This film prevents corrosion of fuel tanks, lines and pumps, and the internal parts of the carburetor. **Bardahl Top Oil** also helps prevent carburetor icing.*

LPG & CNG

Not all engines are designed with LPG/CNG as the preferred fuel. LPG/CNG are dry burning fuels that combust at a higher temperature than petrol. Their low lubricity may cause too much damage by friction. Bardahl top oil will eliminate the lack of lubricity and provide a long lasting protective film which withstands the high operation temperatures. The unique formula will have immediate effect after the combustion throughout the combustion chamber, piston rings and both in- and outlet valves.



Product information

Bio diesel and B7

Top oil restores as in petrol the lack of lubricity because ethanol and FAME are present. Less lubricity will have immediate effect on lower power outcome and bad fuel efficiency. Adding top Oil will provide more efficiently moving parts and which keeps the engine cleaner= better sustainability with lower overall CO2 footprint.

Bardahl Top Oil can be added directly to the fuel or to be used in any lubrication kit installed. Last mentioned needs to be set between 1:500 and 1:1000.

PS: when a valve lubricant is needed against valve wear we recommend the **Bardahl Instead of Lead**.

Directions for use

Add the gasoline or diesel fuel in the rates of 1 liter to 500 liters or 20 ml (measure cup of bottle) for 10 liters of fuel. Measure cup can be filled by removing the cup and to press the bottle until the cup on top of the bottle is filled to 20 ml-level. Pour this contents in the tank for each 10 liters of fuel. The product will easily mix with the fuel in the tank.

NOTE

Bardahl Top Oil is lead free and compatible with catalytic converters (pollution control devices).

Carburetor Icing -- under certain conditions: A moderately cold ambient temperature of about 4°C, a high relative humidity of 65% and a gasoline that lacks the necessary inhibitor. The chilling effect of vaporizing fuel drops the carburetor temperature below zero degrees Celsius precipitating moisture out of the air and causing it to freeze around the butterfly valve and jamming it. This cuts off air supply and stalls the engine.

Article number 02401
Contents 1 liter

Article number 02455
Contents 5 liter

Article number 02482
Contents 25 liter