

## Engine Stop Leak

**Bardahl Engine Stop Leak** is a product that is added to the engine oil to stop or at least greatly reduce oil leakage from non-sealing gaskets or rings. It is mixable with all types of engine oil and makes both synthetic and natural rubber gaskets supple again. It can also be used preventively to prevent future oil leakage.

This product also contains components to remove precipitation on valves and piston rings, in order to ensure increased engine performance and reduced oil consumption. A widely accepted test, to measure the expansion of gaskets, showed that **Bardahl Engine Stop Leak** causes the gaskets to expand from 15% to 70% in one week, without showing cracks or softening significantly.

### The problem

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Rubber gaskets, as they are used today in modern car engines, tend to shrink, dry out, lose their flexibility, resulting in loss of oil. The precipitation that settles on valves and piston rings reduces the effect of lower compression and increased oil consumption.

### Effects of using Bardahl Engine Stop Leak

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- Makes both seals and gaskets made of synthetic and natural rubber supple again.
- Stops oil spill while driving
- Increases engine performance
- Loosens stuck piston rings
- Reduces oil consumption
- Can be mixed with all types of engine oils

### Tests

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During several tests, it could be shown that if **Bardahl Engine Stop Leak** is added to the engine oil, the gaskets will expand by 15% to 70% depending on the material. The test procedure is as follows: the various gasket materials are immersed in a first class engine oil. The material will then remain in this oil for 168 hours at a temperature of 150°C (300°F). After that, it is examined whether the material has undergone a change. Then the test procedure is repeated, but with the addition of **Bardahl Engine Stop Leak**.

#### Test

Gasket material:	Softening compared to engine oil only test	Volume difference compared to engine oil only test in %	Cracks v.h. gasket material
Viton	little	21	no
Silicone	no difference	70	no
Polyacrylate	no difference	70	no
Buna N.	no difference	28	no



The combination of cleaning, dispersion and precipitation-dissolving components ensures that stuck piston rings come loose again, valves become clean again and the noise of valves is reduced, the precipitations thus dissolved are then kept in a floating state. This operation ensures that the piston rings and valves seal better again and thus also reduces oil consumption.

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