

Guard Fill - Petrol (GFP)

Guard Fill - Petrol

Product properties

The Guard Fill-Petrol keeps inlet valves, injection nozzles and combustion chambers free of coke residues, reduces friction in the engine and protects all metal surfaces from corrosion. The Guard Fill additive package reduces petrol consumption up to 3 percent and can even reduce engine out emission up to 35%. Humidity and condensed water gets removed and the upper cylinder area is well lubricated and protected. Guard-Fill keeps the engine in good condition during its entire life.

Benefits:

- reduces nozzle contamination
- prevents coke residues
- perfect Anti-Foam properties
- perfect corrosion protection
- elevates the octane level
- protects the fuel system from water and humidity
- improved fuel stability
- compatible with engine and fuel system materials

Area of application

Motor vehicles, motorcycles and other high performance engines (e.g. ships and boats, Go-Karts, racing motors, lawn mowers, etc.)

Application

Add to the fuel system before filling up.

Consumption

75 ml in 80 l tank volume (Dosage ratio: 1:1000)

Reaction time

Works during operation

Technical data

Physical state: liquid

Colour: yellow

Odour: characteristic

Flashpoint: > 61 °C

Ignition temperature: > 200 °C

Density at 68 °F: 0.80-0.84 g/cm³

Water resistant

Available sizes	Item no.	PU
75ml	P1170	24
250ml	P1173	24



Our information is based on careful examination and may be considered as reliable. However, all information supplied is non-binding advise. No liability for any printing errors. Technical modifications and errors are exempted.



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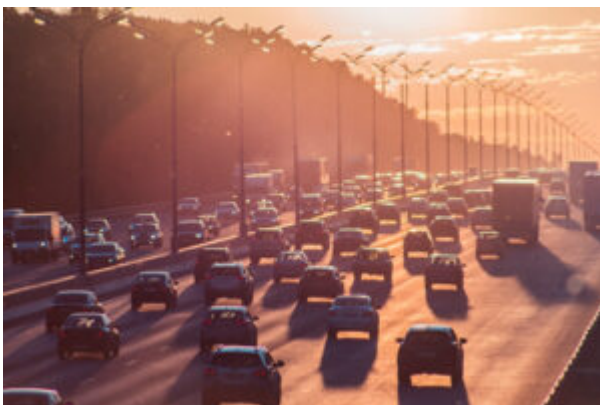
Guard Fill

The long-term protection with every refueling

Keeps inlet valves, injection nozzles and combustion chambers free of carbon-like deposits and at the same time protects all metal surfaces from corrosion

Disadvantageous factors such as short hauls, delayed service intervals and the regular use of standard fuels (petrol RON <95 and diesel CN <55) can have a negative effect on the engine and the fuel system.

These often cause combustion residues / coking in the entire combustion chamber, which have a negative effect on fuel consumption, engine performance, exhaust emissions and the service life of the catalytic converter (as well as DPF in diesel vehicles).



Commuter traffic on an expressway

But what does “short haul” actually mean?

In general, all routes under 10km are referred to as short hauls. On these short journeys, the engine does not manage to get warm enough, which means that the oil cannot reach the desired operating temperature. However, this is required to ensure that the engine is fully oiled.



Proof of effectiveness

The result are harmful deposits that can seriously affect the combustion process. Even the fuel that gets into the oil pan via the combustion chamber can no longer evaporate at cold temperatures and collects in the oil pan. This dilutes the oil, so that the optimal lubricating properties can no longer be guaranteed.

In order to develop an ignitable mixture for combustion when cold, the engine needs more fuel, which is expressed in significantly higher fuel consumption.

For diesel vehicles in particular, short journeys are fatal in the long run, as the engines need significantly longer to develop the ideal operating temperature. If the diesel engine does not reach the desired warm-up phase, the engine management does not start the regeneration of the diesel particulate filter, which in turn encourages the particulate filter to become clogged and sooner or later the vehicle switches to emergency mode.

Therefore our tip: Regular use of Guard Fill Petrol (for gasoline engines) or Guard Fill Diesel (for diesel engines).

GUARD FILL-Diesel	GUARD FILL-Petrol
<ul style="list-style-type: none"> • reduces injector contamination • prevents coke-like residues • excellent and foam properties • protects the fuel system from water and humidity • elevates octane number • improved fuel stability <p>Fuel additive for all diesel engines (incl. bio-diesel, Cat and turbo)</p>	<ul style="list-style-type: none"> • reduces injector contamination • prevents coke-like residues • protects the fuel system from water and humidity • effective corrosion protection • improved fuel stability <p>Fuel additive for all petrol engines (incl. ethanol and methanol)</p>
<p>Improved oxidation stability</p> <p>At the ASTM D2274 test of NACE, Guard Fill-Diesel delivered impressive results. Without Guard Fill: Grade "E" (failed), with Guard Fill Diesel: Grade "A" (best grade).</p>	<p>Guard Fill-Petrol improves the fuel quality</p> <p>The special additive in the Guard Fill-Petrol elevates the RON Octane number by 1 to 2 points. (EN ISO 5164 standard test).</p>

Product comparison

NEW! With the dosing bottles Guard Fill 1: 1000 you offer your customers an effective and inexpensive alternative for on the go!

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Regional Sales Management



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