

Engine Care & Cleaner

Ceramic lubrication treatment and fuel-system cleaning.

Ceracoat Engine Care and Ceracoat Speed Engine Cleaner perform different functions. Engine Care is added to suitable lubricating oil; Speed Engine Cleaner is added to suitable fuel. Follow the instructions for the exact product and engine.

Ceracoat Ceramic Engine Care

The ceramic concentrate is transported by the lubricating oil to metal contact surfaces. Ceracoat describes the particles as adhering under heat and friction to form a protective, film-like layer designed to reduce friction and wear.

Applications described in the source

- Suitable petrol and diesel engines, including vehicle, truck, tractor, machinery, boat and motorbike applications
- Suitable gearboxes, differentials and gears
- Bearings, chains, shock absorbers and hydraulic systems, where the formulation and equipment requirements allow

Intended benefits

- Reduced friction and wear at treated contact surfaces
- Support for cold-start protection
- Potential reductions in temperature, noise, vibration, oil consumption, fuel consumption and emissions
- A protective layer intended to remain after an oil change

Engine Care application

Use the current product-specific dosing instructions.

Parameter	Source guidance
Application	Add to warm engine oil, then immediately drive for approximately 15 minutes.
Dose	The earlier source states one bottle for up to 6 litres of engine oil. Bottle sizes vary; confirm the dose for the supplied product.
Treatment interval	Earlier literature states approximately 50,000 km or once a year. Confirm the appropriate interval for the application.
Storage life	The source states at least 10 years in unopened original containers. Shake well after extended storage.

Reported performance figures

The following are maximum figures reproduced from earlier Ceracoat literature. The source does not provide a complete test protocol for each value. They are not a prediction or guarantee for a particular vehicle.

Reported improvement / reduction	Up to
Engine life increase	100%
Engine power increase	15%
Friction reduction	35%
Engine wear reduction	84%
Oil temperature / oil consumption reduction	20%
Fuel consumption reduction	10%
Exhaust-emission reduction	85%
Noise reduction	5 dB

Speed Engine Cleaner

Fuel treatment for suitable petrol and diesel engines.

Ceracoat Speed Engine Cleaner is added to fuel and is intended to help remove deposits from the combustion and fuel system. The source describes effects on components exposed to the fuel-air mixture, including valves, pistons, cylinder heads, cylinder walls and piston rings, and on the exhaust system.

Earlier literature describes the removal of deposits as supporting compression and reducing emissions. It also describes binding small amounts of water in the tank and reducing the adhesion of new deposits.

Application described in the source

Parameter	Source guidance
Fuel	Suitable petrol or diesel.
Dose	100 ml in approximately 15 litres of fuel. Confirm the current dose for the supplied product and equipment.
Initial results	The source reports first observable results after approximately 10 minutes of driving.
Deposit protection	The source describes an effect lasting approximately 10,000 km; actual results depend on operating conditions.

Historical engine measurements

Earlier Ceracoat literature attributes the following before/after power measurements to the University of Arnhem and fuel-consumption measurements to the University of Eindhoven. Full study reports are not included in that source.

Power before (kW)	Power after (kW)
101.8	106.0
105.6	111.3
214.6	221.5
320.9	334.8

Reported test results

Historical values from Ceracoat product literature.

Test distance / route	Reported fuel reduction
1,812 miles	4.2%
3,556 miles	4.6%
4,528 miles	4.9%
Normal roads	10.0%
Hill roads	6.5%
Highway	5.8%

Starting current

Before treatment	After treatment
240 A	225 A
330 A	285 A

Important context

These results relate to the examples reported in the earlier literature. Engine condition, maintenance, fuel, driving pattern and test method affect the result. Use the equipment manufacturer's service requirements and confirm compatibility before treatment. A coating does not replace the engine oil or scheduled maintenance.

Product guidance

These products are ready to use. Do not mix them with other substances or batches. Select the formulation for the substrate and follow the current product-specific instructions. Information reflects Ceracoat technical literature and may change as products develop. Product quality is subject to the applicable conditions of sale.