

WAGNER Universal Micro-Ceramic Oil

Universal micro-ceramic lubricating oil additive applicable for all engine and gear oils in the automotive range.

Current machines and engines are excellent examples of modern engineering. But manufacturing tolerances become closer, temperatures, loads and pressures increase. However, even most modern engineering is not able to defeat wear and tear of machines and engines, at most, it can lessen it. It is fact, that due to operating conditions getting more and more extreme, wear and tear increase and oil loses its ability to lubricate effectively machines and engines and to guarantee necessary wear protection.

Thanks to its selected combination of the most modern high-tech solid lubricants and its sophisticated additive technology, WAGNER Oil Additive Micro-Ceramic reduces friction and therefore, enhances performance, reduces fuel consumption and provides for a longer service life.

Scope of application:

Applicable in standard, mineral, synthetic, or semi-synthetic engine and gear oil as well as in turbo charged engines and catalytic converter equipped engines, wet clutches and wet brakes.

NOT for use in automatic, DSG/CVT or vario transmissions, in wet single-disc or multi-plate brakes in agricultural and construction machines, in converter gears of industrial trucks.

For automatic transmissions, WAGNER Automatic Transmission Oil Additive SAE 10 should be used.

How it works:

Finest Micro-Ceramic particles (0.03 – 0.15 micron) settle in the metallic friction surface of engines and gears. The active substance is very rapidly transported to the frictionally intensive parts of engines and machines by means of the oil, settles in the uneven patches (protective layer) and is always present as a safety depot in the oil circulation. Caused by the frictional temperature the adhesion of the micro-disperse particles on the metallic surface is increased (no film-forming and coating), so that those parts being subject to the most wear are protected to a maximum. Also due to the settling and adhesion of the product to the metallic surface, its surface smoothness increases considerably. Resulting herefrom is an increase in efficiency and power optimization, respectively an increased engine power. Micro-Ceramic lubricants do not mesh with the standard additives and have no influence on the oil quality. The Micro-Ceramic components even take over lubrication if there is no or not yet any oil (for example cold start-up). There is no longer gliding metal on metal, but ceramic on ceramic.

Due to their size of 15 – 25 microns, filters cannot retain the Micro-Ceramic particles, thus are not blocked. For this reason, WAGNER Universal Micro-Ceramic Oil passes full-flow filters. For partial-flow filters of a fineness of 1 micron it cannot be used neither for systems with microfilters.



Wagner Spezialschmierstoffe GmbH & Co. KG

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WAGNER Universal Micro-Ceramic Oil

Advantages:

- Reduces friction and reduces fuel consumption
- Reduces wear, increasing service life
- Improves engine power
- Reduces engine and gear noise
- Lessens oil consumption
- Reduces emissions
- Excellent emergency running properties, lower engine and gear temperature
- Smoother switching operations and reduced operational costs
- Molecular bonding, highest shear strength
- The adhesive and shear-resistant lubricating film protects bearings and tooth flanks against wear,
- Reduces friction loss due to interior gear friction and protects it from damages due to overload. Wear reduction of the synchronous systems.
- Levelling and smoothing of metal surfaces, therefore, reduced friction
- Increased pressure absorption and load carrying capability
- Enhanced film formation and adhesive capability
- Improved oxidation stability
- Prevention of oil residues
- Optimized cleaning and dispersion effect

Technical Data:

WAGNER Micro-Ceramic Oil	Test method	Test result	Unit
Kin. Viscosity (40 °C)	DIN EN ISO 3104	279,3	mm ² /s
Kin. Viscosity (100 °C)	DIN EN ISO 3104	28,12	mm ² /s
Viscosity index	DIN ISO 2909	134	
Oxidized ash	DIN EN ISO 6245	0,10	% (m/m)
Sulphate ash	ISO 3987	0,12	% (m/m)
Pourpoint	DIN ISO 3016	- 36	°C
Density (20 °C)	DIN EN ISO 12185	903,9	kg/m ³

Application & Dosing:

WAGNER Universal Micro-Ceramic Oil can be used in every standard, mineral, synthetic, or semi-synthetic engine and gear oil as well as in turbo charged engines and catalytic converter equipped engines, wet clutches and wet brakes.

Petrol/diesel/gas engine oils 10 %
Transmission oils 10 % (20 % on heavy load)

NOT for use in automatic, DSG/CVT or vario transmissions, in wet single-disc or multi-plate brakes in agricultural and construction machines, in converter gears of industrial trucks.

For automatic transmissions, WAGNER Automatic Transmission Oil Additive SAE 10 should be used.

Shake the container well for approx. 30 seconds, fill in when the engine is warm and let the engine run or drive for approx. 10 minutes. A previous oil and filter change, as well as the application of the engine cleaner is highly recommended.

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Content:	Item no.:	Unit:
0,3 l	013300	24 x 0,3 l
0,5 l	013500	20 x 0,5 l
1 l	013001	10 x 1 l
5 l	013005	4 x 5 l
20 l	013020	

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