



OPALPERF GI-V9 5W50

100% SYNTHETIC OIL FOR ALL CAR ENGINES



LIGHT VEHICLES RANGE
ENGINE
100% SYNTHETIC
SAE 5W-50

Mineral

Semi-synthetic

100%
synthetic

STANDARDS AND SPECIFICATIONS

ACEA A3/B4-21
API SN/CF
MB 229.1 / 229.3
VW 502.00/505.00

Engine cleanliness

Oxidation resistance

Shear stability



APPLICATIONS

OPALPERF GI-V9 5W50 is a very high performance multigrade lubricant, covering a large range of viscosities and temperatures ensuring a high anti-wear protection as well as a reduction of inner frictions.

OPALPERF GI-V9 5W50 is particularly recommended for the lubrication of most modern car engines (petrol or Diesel, atmospheric, turbocharged or multivalve engines) working with any kind of fuel and under any condition: racing, sedan car, motorway, road and door to door driving.

OPALPERF GI-V9 5W50 is a high technological lubricant which meets the requirements for all motorists.

BENEFITS

OPALPERF GI-V9 5W50 not only presents following advantages of a 100% synthetic lubricant:

- Very high fluidity at low temperatures, allowing an optimum lubrication as soon as the motor starts
- Thermal stability, superior to those of classical oils, avoiding formation of deposits at high and low temperature
- Low volatility, (thanks to its SAE warm grade 50), ensuring the minimum consumption of oil.

OPALPERF GI-V9 5W50 also presents other advantages, thanks to its special additives based on molybdenum and bismuth.

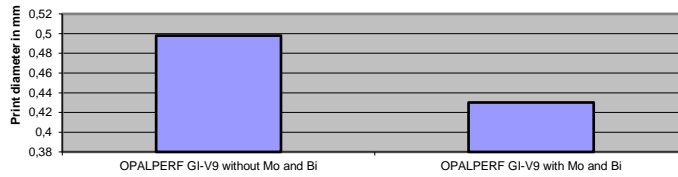
Molybdenum is a polar additive, which fixes itself on lubricated metallic parts, and which allows to **reduce from 15 to 50% the friction coefficient** of parts in contact. You will take advantage of this benefit at each start of your engine. Moreover, this additive allows reducing the sulphur and phosphorus contents of the oil, while obtaining the same performances : it is then an **advantage for the longevity of particles and NOx traps**, sensitive to these elements.

Bismuth is an additive which optimizes the action of sulphur contained in oil, and which **improves the anti-wear performances of the lubricant to 14%** (see test below).



TECHNICAL DATA SHEET

4 ball wear test (ASTM D 4172)



PERFORMANCES

PERFORMANCE LEVELS

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CHARACTERISTICS

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
SAE grade	-	-	5W-50
Colour	-	Visual	Green
Appearance	-	Visual	Clear
Specific gravity at 20°C	kg/m ³	NF EN ISO 12185	853
Kinematic viscosity at 40°C	mm ² /s	NF EN ISO 3104	106,8
Kinematic viscosity at 100°C	mm ² /s	NF EN ISO 3104	17,35
Viscosity index	-	NF EN ISO 2909	179
Pour point	°C	NF T 60-105	-42
Flash point	°C	ASTM D 92	230
CCS viscosity at -30°C	mPa.s	ASTM D 5293	5 610

This typical data is given for information only

HEALTH, SAFETY AND ENVIRONMENT

Elimination must be carried out to conform to the rules set for the disposal of used lubricants.

Must be stored away from bad weather.

Should you need further details, our Technical Department remains at your entire disposal.