



# KOSMOS SAE 0W-20 LSPI

## Fully synthetic passenger car engine oil with "low SAPS" technology

High-quality fully synthetic passenger car engine oil, with innovative additive technology. Particularly suitable for modern - low-emissions - gasoline and diesel engines with exhaust gas after-treatment systems and turbochargers.

This product is specifically designed to minimize the risk of low-speed pre-ignition (LSPI).

### Properties and features

- Low ash technology: significantly reduced content of sulphate ash, phosphorus and sulphur (low SAPS) and thus reduced particle emissions.
- Fuel Economy Oil – FEO
- High wear protection, excellent oxidation resistance and optimum shear stability (stay-in-grade)
- Reduces the risk of low-speed pre-ignition failures (LSPI).
- Optimum cold start behaviour

### Use

This product is especially recommended for modern gasoline and diesel engines, for which a low-viscosity fluid of the class SAE 0W-20 is prescribed.

**Observe manufacturer's specifications and instructions before use.**

### Specifications / Performance level

ACEA C5	MB 229.71
API SP	BMW LL-17 FE+ (compatible with LL-14 FE+)
API SN Plus / RC	JAGUAR/LAND ROVER STJLR 03.5006
ILSAC GF-5	OPEL/Vauxhall OV0401547
ILSAC GF-6	FIAT 9.55535-GSX level Chrysler MS 12145 level

Technical data	Unit	Method
Density at 15°C	0,849 g/cm <sup>3</sup>	ASTM D 1298
Viscosity at 40 °C	41.5 mm <sup>2</sup> /s	ASTM D 445
Viscosity at 100 °C	8.2 mm <sup>2</sup> /s	ASTM D 445
Viscosity index	177	ASTM D 2270
Viscosity at – 35°C (CCS)	5'600 cP	ASTM D 5293
HTHS-viscosity	2.7 mPa·s (cP)	CEC-L-36-A-97
TBN	7.9 mgKOH/g	ASTM D 2896
Sulphated ash	< 0.8 % mass	ASTM D 874
Flash point C.O.C.	210 °C	ASTM D 92
Pour point	-45 °C	ASTM D 97
NOACK evaporation loss	10 % mass	CEC-L-40-A-93

### Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08