

MANNOL Ceramic 5W-30

7720

Unique innovative fully synthetic premium engine oil with special anti-scuffing properties thanks to the addition of synthetic esters and hexagonal boron nitride h-BN (white graphite). Suitable for all types of automobile engines – diesel and petrol, which have a lubrication system.

Ether molecules are “magnetised” to metal surfaces thanks to their intense polarity and create a dense and very strong oil film, while ceramic microparticles smooth out irregularities on friction surfaces and effectively dissipate heat. This prevents direct contact between metal surfaces and separate parts wear, even under the most extreme operating conditions. Dry friction is eliminated during cold starts (especially at extremely low temperatures) and oil starvation, thus minimising engine starting wear.

The boundary layer formed during operation has the following properties:
- extreme pressure resistance - allowing the engine to operate under increased loads without adverse effects;
- excellent anti-wear, anti-scuffing and anti-friction properties, which significantly increases engine life and significantly saves fuel, reduces engine noise;
- anti-corrosion and anti-oxidant properties.

Product properties:
- High fuel efficiency thanks to optimal anti-friction properties;
- Due to its excellent detergent-dispersing properties and highest thermal-oxidative stability, it effectively fights all types of deposits and keeps engine separate parts clean throughout the entire change interval;
- The presence of ester and ceramic components in combination with optimum viscosity-temperature characteristics ensures the highest strength of the oil film, providing excellent anti-wear properties which, combined with excellent pumpability, significantly increase engine life even in the most severe operating conditions;
- Compatible with particulate filters and the finest (fine filtration) oil filters: the size of h-BN particles (no more than 0.5 µm) ensures their free passage through any filter and excludes sedimentation. For this reason, the oil is compatible with all exhaust gas neutralisation systems;
- Compatible with catalytic converters, all types of turbochargers and all injection systems, including Common Rail.
- Prevents premature ignition (LSPI);
- Used in Long Life and conventional engines.
IMPORTANT: The oil product must be shaken well before use.

Designed for engines in a wide range of passenger cars, light SUVs, vans and light trucks from European and other manufacturers where the ACEA C3 performance level is required. Ideal product for tuned and highly boosted vehicles.

Specifications
SAE 5W-30
API SN Plus
ACEA C3
Recommendation
ACEA C2
VOLKSWAGEN 505 01
VOLKSWAGEN 505 00
BMW LL-04
MB 229.51
MB 229.52
MB 229.31
GM dexos2
PORSCHE C30
CHRYSLER MS-11106
FIAT 9.55535-S3
RENAULT RN17
PSA B71 2290
TOYOTA 08880-83388
TOYOTA 08880-83389
IVECO 18-1811 CLASSE SC1

PACKAGING

	MN7720-5		
208L	MN7720-DR	Drum	
	MN7720-20		
4L	MN7720-4	Plastic	4 pcs/box
	MN7720-1		