

MANNOL Ceramic Ultra 5W-40
7727

Unique innovative synthetic high-viscosity premium-class 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 car engines – diesel and petrol, four- and two-stroke.

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:
- Improved fuel efficiency due to optimised 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 oil 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 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;
- Compatible with three-component catalytic converters of petrol and diesel engines, all types of turbochargers and all injection systems, including Common Rail;
- 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 A4/B4 performance level is required. Ideal product for tuned and highly boosted vehicles.

Specifications
SAE 5W-40
ACEA A3/B4
MB 229.5
MB 229.3
MB 226.5
JASO MA2
VOLKSWAGEN 502 00
VOLKSWAGEN 505 00
PORSCHE A40
RENAULT RN0710
RENAULT RN0700
Recommendation
API SN/CH-4
BMW LL-01
BMW LL-98
PSA B71 2296
FIAT 9.55535-H2
FIAT 9.55535-Z2
CHRYSLER MS-10850
CHRYSLER MS-10896
CHRYSLER MS-12991
GM LL-A-025
GM LL-B-025

PACKAGING

	MN7727-5		
4L	MN7727-4	Plastic	4 pcs/box
	MN7727-1		