

MANNOL Defender 10W-40
7507

Innovative universal ester-containing engine oil on a hydrosynthetic basis for petrol and diesel engines, both new and "old" brands, and with a large mileage. Developed based on the requirements of European manufacturers. For turbocharged engines with direct injection, a unique oil formulation reduces to zero the effect of premature ignition of the fuel mixture LSPI (Low Speed Pre-Ignition);
Product properties:
- The ester technology and the latest generation hydrosynthetic base with an extended range of viscosity-temperature properties ensure efficient operation of the engine in all operating modes: cold start, urban mode, highway mode, as well as under increased load (when driving off-road, uphill, driving with a trailer, maximum load) and at high ambient temperatures;
- Perfect for active driving and does not lose its properties when using fuel of variable quality (with a sulfur content of up to 500 ppm) due to a large reserve of the base number (TBN);
- The hydrosynthetic ester-containing base, combined with the latest additive package, preserves the engine's power parameters throughout the entire replacement interval;
- The unique wear reduction technology in combination with ester components provides excellent anti-wear and anti-friction properties due to the exceptional strength of the oil film, which, in combination with good pumpability, significantly increases the service life of the engine even in "Start-stop" driving modes and during cold start;
- Due to its excellent detergent-dispersing properties and the highest thermal-oxidative stability, it effectively combats all types of deposits and keeps engine parts clean throughout the entire replacement interval.

It is intended for gasoline and diesel engines of a wide fleet of cars (passenger cars, light SUVs, minibuses and light trucks) of European and other manufacturers.
It is recommended for use in the engines of Daimler and VW cars that have additional requirements for engine oils (according to the above specifications).
The oil is not suitable for use in heavy trucks and similar vehicles!

Specifications
SAE 10W-40
API SP
ACEA A3/B4
MB 229.3
MB 229.1
Recommendation
VOLKSWAGEN 505 00
VOLKSWAGEN 502 00
VOLKSWAGEN 501 01
VOLKSWAGEN 500 00
PSA B71 2294
RENAULT RN0700
RENAULT RN0710
FIAT 955535-G2
JASO MA
JASO MA2

PACKAGING

4L	MN7507-4	Plastic	4 pcs/box
1000L	MN7507-IBC	Pallet tank	
208L	MN7507-DR	Drum	
60L	MN7507-60	Drum	
20L	MN7507-20	Plastic	
7L	MN7507-7		
5L	MN7507-5	Plastic	
1L	MN7507-1	Plastic	20 pcs/box