Motor Oil

LEADER NEO

Description

Synthetic lubricant with the exclusive 3E Technology formulation, designed to offer the best protection for the engine without compromising on high efficiency. Oil for petrol vehicles, recommended by a large majority of Asian vehicle manufacturers. The lower viscosities provide fuel economy under normal driving conditions, leading to lower CO2 emissions to the atmosphere and therefore reduced environmental impact.

Properties

- Complies with the stringent API SP quality requirements for modern engines that require greater protection against high temperatures.
- This viscosity is recommended by a broad range of vehicle manufacturers, such as Mazda, Chrysler, Honda, Toyota, Hyundai, Kia, Chevrolet, Nissan, etc.
- 3E Technology (Excellent Engine Efficiency): technology that offers excellent protection of the engine against the formation of deposits at high temperature, greater control of sludge and compatibility with gaskets. This helps to keep the engine cleaner and increases its durability.
- The lower viscosity grades, SAE 0W-20 and 5W-30, help to reduce fuel consumption (3.9% and 1.9%, respectively, according to the Sequence VIE ASTM D8114 test), thus maintaining protection and also reducing CO2 emissions to the atmosphere, which results in lower environmental impact.

Quality levels, approvals and recommendations

- API: SP* (0W-20, 10W-30, 10W-40, 5W-30, 5W-40)
- ILSAC: GF-6A* (0W-20, 10W-30, 5W-30)

*Formal approval

Technical specifications

	UNIT	METHOD	VALUE				
SAE Grade			0W-20	5W-30	5W-40	10W-30	10W-40
Density at 15 ºC	g/cm3	ASTM D4052	0.844	0.849	0.85	0.853	0.855
Viscosity at 100 ºC	cSt	ASTM D445	8.5	10.4	14,2	10.3	13.3
Viscosity at 40 ºC	cSt	ASTM D445	44.3	58.3	86	61.8	84.9
Viscosity index	-	ASTM D2270	171	168	165	155	155
Flash point, open cup	ºC	ASTM D92	230	236	220	242	240
Pour point	ºC	ASTM D97	-39	-36	-33	-30	-30
TBN	mg KOH/g	ASTM D2896	6.3	6.3	6.3	6.3	6.3
Sulphated ashes	% in weight	ASTM D874	0.79	0.79	0.79	0.79	0.79
Noack volatility, 1h at 250 °C	% in weight	ASTM D5800	13.7	8.1	8.1	8.1	6.3
HTHS, viscosity at 150 °C	cP	ASTM D4741	2.7	3.3	3.7	3.2	3.7

The above mentioned characteristics are typical values and should not be considered product specifications.