

## Description

Semi-synthetic lubricant with the exclusive 3E Technology formulation, designed to offer the best protection for the engine without compromising on high efficiency. Oil for engines that require greater protection against wear and high temperatures, such as vehicles with high mileage or that use autogas (LPG) or natural gas (CNG/VNG) as fuel. Also suitable for petrol or light diesel vehicles without exhaust gas after-treatment systems (DPF).

## Properties

- Complies with the stringent API SN quality requirements for modern engines that require greater protection against high temperatures.
- Its high viscosity helps to seal and reduces leaks, thus minimising oil consumption and maintaining the right pressure at any temperature and in all working conditions.
- Thanks to its anti-wear additives, it boosts the protection of the most sensitive parts of the engine.
- 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.

## Quality levels, approvals and recommendations

- API SN/CF\*

\*Formal approval

## Technical specifications

	UNIT	METHOD	VALUE
SAE Grade			20W-50
Density at 15 °C	g/mL	ASTM D 4052	0,886
Viscosity at 100 °C	cSt	ASTM D 445	18,5
Viscosity at 40 °C	cSt	ASTM D 445	162
Viscosity at -15 °C	cP	ASTM D 5293	9500 max.
Viscosity index	-	ASTM D 2270	126
Flash point, open cup	°C	ASTM D 92	246
Pour point	°C	ASTM D 97	-27
T.B.N.	mg KOH/g	ASTM D 2896	9,2
Bosch Injector Shearing: Viscosity at 100 ° C after shear	cSt	CEC-L-14-93	17,5



## LEADER NEO 20W-50

Automotive

Noack volatility, 1hr at 250 °C	% weight	CEC-L-40-93	16,9 max.
HTHS, viscosity at 150 °C	cP	CEC-L-36-90	>3,7

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