

TECHNICAL PRODUCT SHEET

EVO RNL FE 0W—20



DESCRIPTION

EVO RNL FE engine oil is engineered for modern high-efficiency gasoline and diesel engines, featuring a low-viscosity formulation that reduces hydrodynamic friction and enhances fuel economy while maintaining robust film strength under high thermal loads. Its advanced low-temperature rheology ensures rapid cold-start lubrication, and the high-stability additive system, based on TriboACT[®] technology, delivers strong oxidation resistance, wear protection, and deposit control. The Low-SAPS chemistry is fully compatible with GPF and catalytic after-treatment systems, supporting long-term emission-system durability. Designed to meet the stringent requirements of RN17 FE and PSA B71 2010, it is suitable for Euro 6 Renault and PSA engines, including downsized, turbocharged, direct-injection, and hybrid passenger-car applications.

APPLICATIONS

EVO RNL FE is a high-performance, synthetic engine oil engineered to sustain fuel efficiency in light-duty vehicles equipped with advanced after-treatment systems, including DPF, GPF, and SCR units, where a 0W-20 grade is specified. Its ACEA C5-compliant formulation delivers low viscosity, reduced friction, and optimized volatility control, ensuring rapid lubrication during frequent high-power cold starts and stable performance during extended low-temperature operation—conditions typical of hybrid powertrains. Developed to meet the latest OEM requirements for engines up to Euro 6b, EVO RNL FE provides robust wear protection, strong oxidation resistance, and long-term compatibility with modern emissions-control technologies.

SPECIFICATIONS

ACEA	C5	Renault	RN17FE
API	SP (Approved)	PSA	B71 2010

PROPERTIES

EVO RNL FE is formulated with high-quality synthetic base oils and an advanced additive system engineered to deliver stable performance across a wide range of operating conditions. Its low-viscosity SAE 0W-20 profile reduces friction and supports optimized fuel efficiency, while enhanced low-temperature rheology ensures rapid oil circulation during cold starts. The formulation meets the latest OEM requirements for engines up to Euro 6b, including hybrid applications, and incorporates oxidation-resistant, deposit-control additives to maintain engine cleanliness. It is further chemically optimized to withstand hybrid-specific stresses such as frequent high-power cold starts and extended low-temperature operation, ensuring consistent protection and long-term durability.



TECHNICAL PRODUCT SHEET

BENEFITS

EVO RNL FE delivers long-term engine durability by providing superior wear protection and maintaining exceptional cleanliness throughout the oil-change interval. Its optimized volatility profile reduces oil consumption, minimizing the need for interim top-ups. The low-friction formulation enhances overall fuel economy, while rapid lubrication immediately after ignition reduces start-up wear and improves cold-start reliability. The oil maintains consistent protection and operational stability even under the demanding thermal and load conditions typical of hybrid driving cycles.

PHYSICAL-CHEMICAL CHARACTERISTICS

EVO RNL FE	METHOD	SAE 0W-20
Density at 15°C, g/cm ³	ASTM D4052	0.836
Dynamic viscosity, cP	ASTM D5293	-35°C/5,500
Viscosity, Kinematic (cSt) 100°C	ASTM D445	8.0
Viscosity, Kinematic (cSt) 40°C	ASTM D445	42.0
Viscosity index	ASTM D2270	170
TBN, mgKOH/g	ASTM D2896	8.5
Flash point, COC, °C	ASTM D92	228
Pour point, °C	ASTM D97	-40
HTHS viscosity@150oc, cP	ASTM D4683	2.8

The abovementioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

