



MXP HIGH PERFORMANCE FULLY SYNTHETIC ENGINE OIL SP-RC / SN PLUS



Fortified With
Bardahl Fullerenes
Technology

**MXP HIGH PERFORMANCE FULLY SYNTHETIC ENGINE OIL Meeting Latest API SP-RC & SN PLUS
– SAE 5W-40**

PRODUCT DESCRIPTION

Bardahl Premium MXP Fully Synthetic Engine Oil SAE 5W40 API SP-RC is an advanced fully synthetic gasoline engine oil, formulated to meet and exceed the latest automotive performance standards. This engine oil provides total engine protection, improves fuel economy and out-performs conventional motor oils in almost every dimension to help protect modern gasoline engines.

Bardahl MXP Fully Synthetic Engine Oil SAE 5W40 API SP-RC is formulated with specially selected synthetic base stocks, fortified with performance-enhancing additives and coupled with Bardahl Fullerenes Technology. Modern engines often operate under high temperatures and pressures. MXP Fully Synthetic Engine Oil SAE 5W40 API SP-RC responds exceptionally well to the demanding frequent stop-and-go, city driving conditions and exhibits outstanding thermal stability, improved viscosity-temperature characteristics, superior wear protection and excellent low temperature fluidity. Fast lubrication is achieved during engine start-up therefore prolonging engine life. MXP Fully Synthetic Engine Oil SAE 5W40 API SP-RC is able to prevent LSPI (Low Speed Pre-Ignition) problems faced by modern, smaller-sized engines.

Bardahl Fullerenes Technology

Normal engine oils, anti-wear and anti-friction additives form a single layer of protection that can be broken under high load and high stress applications. Bardahl Fullerenes Technology offers added layer of protection to shield engine components against friction and wear. It uses Bardahl Fullerene molecules to create an extra protective layer of hard particles on engine surfaces and prevent direct surface-to-surface contact. Being spherical in shape, Bardahl Fullerene molecules act as nano ball bearings, allowing surfaces to glide over one another with minimal friction and wear.

Advantages

- Reduces greenhouse gas emissions.
- Improves fuel economy.
- Protects engine from LSPI problems.
- Reduces sludge and varnish deposit formation.
- Improves protection against timing-chain wear.
- Enhanced formulation improves engine cleanliness.
- Protects against rust and corrosion.
- Extraordinary oxidation and thermal stability.
- Maximises oil drain and engine overhaul periods.
- Excellent stay-in-grade ensures viscosity integrity.
- Exceptional low temperature performances.
- Improves engine durability.

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Bardahl reserves the right to modify or change this product with the purpose of improving its performance characteristics



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Applications

- Recommended for a wide range of current US and European engine as well as Japanese and Korean models in all service conditions requiring an API SP-RC, API SN PLUS RC, API SN PLUS, API SN or lower API category oil.
- Protects modern, turbocharged engines from LSPI problems.
- Protects engine operating on Ethanol up to E85.

Performance Standards

API SP-RC
API SN PLUS
API SN

Typical Properties

SAE GRADE 5W-40

Property	Unit	Test Method	Specifications		
			Min	Typical	Max
Density @15°C	kg/L	ASTM D 4052		0.8514	
Colour	-	ASTM D 1500		L3.0	
Kinematic Viscosity @40°C	cSt	ASTM D 445		82.37	
Kinematic Viscosity @100°C	cSt	ASTM D 445		13.76	
Viscosity Index	-	ASTM D 2270		172	
CCS@-30°C	cP	ASTM D 5293		5,153	6,600
HTHS@150°C	cP	CEC L-36-A-90		3.6	
Pour Point	°C	ASTM D 6749		-45	
Flash Point COC	°C	ASTM D 92	200		
Total Base No.	mgKOH/g	ASTM D 2896		9.42	