



# MXP HIGH PERFORMANCE ENGINE OIL



Fortified With  
**Bardahl Fullerenes**  
Technology

## MXP HIGH PERFORMANCE ENGINE OIL – SAE 15W-40 (API SP/CF)

### PRODUCT DESCRIPTION

Bardahl Premium MXP Mineral Engine Oil SAE 15W40 API SP/CF is an advanced 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 Premium MXP Mineral Engine Oil SAE 15W40 API SP/CF is formulated with specially selected base stocks, fortified with performance-enhancing additives and coupled with Bardahl Fullerenes Technology. Modern engines often operate under high temperatures and pressures. MXP Engine Oil SAE 15W40 API SP/CF 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 Mineral Engine Oil SAE 15W40 API SP/CF 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.
- Improves engine durability.

Issue Date: 20/10/2023

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 naturally aspirated and turbocharged gasoline or diesel vehicles in all service conditions requiring an API SP, SN PLUS, SN, CF, or lower API category oil.
- Protects modern, turbocharged engines from LSPI problems.
- Protects engine operating on Ethanol up to E85.

## Performance Standards

API SP/CF

## Typical Properties

### SAE GRADE 15W-40

Property	Unit	Test Method	Specifications		
			Min	Typical	Max
Colour	-	ASTM D 1500		L2.5	
Density @ 15°C	kg/L	ASTM D 4052		0.8612	
Kinematic Viscosity @ 40°C	cSt	ASTM D 445		111.2	
Kinematic Viscosity @ 100°C	cSt	ASTM D 445	14.0		15.5
Viscosity Index	-	ASTM D 2270		133	
CCS@-20°C	cP	ASTM D 5293		6,300	7,000
HTHS@150°C	mPa.s	ASTM D 4683		4.1	
Total Base No.	mg KOH/g	ASTM D 2896		7.0	
Flash Point COC	°C	ASTM D 92	200		
Pour Point	°C	ASTM D 6749			-24

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