



# **MXP HIGH PERFORMANCE SEMI SYNTHETIC ENGINE OIL SP / ACEA A3/B4**



**Fortified With  
Bardahl Fullerenes  
Technology**

**MXP HIGH PERFORMANCE SEMI SYNTHETIC ENGINE OIL Meeting The Latest API SP & ACEA A3/B4  
– SAE 10W-40**

## **PRODUCT DESCRIPTION**

Bardahl Premium MXP Semi Synthetic Engine Oil SAE 10W40 API SP is an advanced semi 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 Semi Synthetic Engine Oil SAE 10W40 API SP 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 Semi Synthetic Engine Oil SAE 10W40 API SP 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 Semi Synthetic Engine Oil SAE 10W40 API SP 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.

Issue Date: 01/02/2023

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



# MXP HIGH PERFORMANCE SEMI SYNTHETIC ENGINE OIL SP / ACEA A3/B4



Fortified With  
**Bardahl Fullerenes**  
Technology

## 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 ACEA A3/B4, API SP, SN PLUS, SN or lower API category oil.
- Protects modern, turbocharged engines from LSPI problems.
- Protects engine operating on Ethanol up to E85.

## Performance Standards

ACEA A3/B4
API SP
API SN PLUS
API SN
MB 229.3
VW 501 01/505 00

## Typical Properties

### SAE GRADE 10W-40

Property	Unit	Test Method	Specifications		
			Min	Typical	Max
Density @15°C	kg/L	ASTM D 4052		0.8646	
Colour	-	ASTM D 1500		L3.5	
Kinematic Viscosity @40°C	cSt	ASTM D 445		94.92	
Kinematic Viscosity @100°C	cSt	ASTM D 445	13.5	14.0	15.0
Viscosity Index	-	ASTM D 2270		152	
CCS@-25°C	cP	ASTM D 5293		5,600	7,000
HTHS@150°C	cP	ASTM D 4683		3.8	
Pour Point	°C	ASTM D 6749		-42	-30
Flash Point COC	°C	ASTM D 92	200		
Total Base No.	mgKOH/g	ASTM D 2896		11.0	