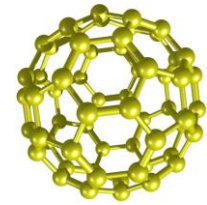




# **MXP HIGH PERFORMANCE ENGINE OIL**



**Fortified With  
Bardahl Fullerenes  
Technology**

## **BARDAHL HIGH PERFORMANCE ENGINE OIL**

- SAE 10W-30 (API SN/CF)
- SAE 15W-40 (API SN/CF)
- SAE 15W-50 (API SN/CF)

### **PRODUCT DESCRIPTION**

Bardahl Premium MXP Mineral engine oils are high quality automotive lubricant meeting the latest industry performance standards. These engine oils are formulated with premium base stocks and Bardahl Fullerenes Technology for added protection against cold starts and under high-temperature, high-load environment and always maintains a strong oil film that minimizes metal-to-metal contacts.

Bardahl Premium MXP Mineral engine oils exceed the tough requirements of high-performance engines operating under more severe conditions. These engine oils overcome the stresses from stop-and-go and short distance driving and meet or exceed the requirements of API SN/CF.

### **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**

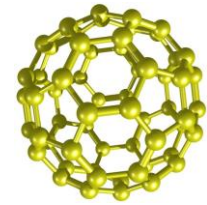
- Excellent resistance to high temperature thermal breakdown.
- Excellent anti-sludge properties.
- Extended engine life.
- Excellent multi-grade stability in service.
- Outstanding engine cleanliness.
- Protection of Exhaust Emission Control System.
- Excellent low temperature fluidity.

### **Performance Standards**

API SN/CF
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## Applications

- Recommended for a wide range of current US, European, Japanese and Korean models in all service conditions.
- Suitable for passenger cars, MPVs, SUVs, light-duty diesel engines and turbocharged gasoline engines.
- Suitable for the high-rev engine designs for which API SN/CF oils are specified.

## Typical Properties

SAE GRADE	10W-30	15W-40	15W-50
Density, kg/litre@15°C	0.8675	0.8759	0.8770
Colour ASTM	2.5	2.5	2.5
Kinematic Viscosity, mm <sup>2</sup> /s@40°C	63.0	108.0	135.0
Kinematic Viscosity, mm <sup>2</sup> /s@100°C	10.7	14.7	17.5
Viscosity Index	139	140	144
CCS@-20 °C, cP	---	6200	6630
CCS@-25 °C, cP	6290	---	---
HTHS@150°C, cP	3.2	3.5	3.9
Pour Point, °C	-39	-24	-36
Flash Point COC, °C	226	230	236
TBN, mg KOH/g	8.33	8.33	8.50