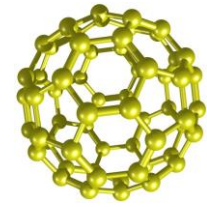




MPX HIGH PERFORMANCE SEMI SYNTHETIC ENGINE OILS



**Fortified With
Bardahl Fullerenes
Technology**

MPX HIGH PERFORMANCE SEMI SYNTHETIC ENGINE OIL

- SAE 5W-30 (API SN/CF)**
- SAE 10W-40 (API SN/CF)**

PRODUCT DESCRIPTION

Bardahl Premium MPX Semi Synthetic engine oils are optimized for the lubrication of high performance engines. The Semi Synthetic engine oils are formulated to provide the benefits of many fully synthetic motor oils at a lower price. Bardahl MPX Semi Synthetic engine oils are blended with Bardahl Fullerenes Technology, synthetic oil components and superior quality mineral base oil and always maintains a strong oil film that minimizes metal-to-metal contacts. It is formulated to resist breakdown under high loads, temperatures and speeds experienced by fast speed, high torque engines.

These are high quality synthetic-based engine oils specially designed for today's high performance automotive engines. It can be used in naturally aspirated and high-performance turbocharged gasoline engines requiring an API SN lubricant. It is also suitable for use in light-duty diesel engines requiring an API CF lubricant.

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

- Protection of after-treatment emission system and turbocharger.
- Excellent stay-in grade stability ensures viscosity integrity and reduces oil consumption.
- Better fuel economy.
- Outstanding engine cleanliness.
- Compatible with ethanol-containing gasoline.
- Protect against rust and corrosion.
- Extraordinary oxidation and thermal stability.
- Exceptional low temperature performances.
- Fully compatible with conventional mineral motor oils and other synthetic engine oils.

Applications

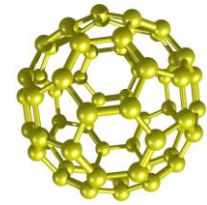
- Guaranteed for use in naturally aspirated and high-performance turbocharged gasoline engines requiring an API SN lubricant.
- Suitable for use in light-duty diesel engines requiring an API CF lubricant.

Issue Date: 01 Jan 2015

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



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- Suitable for all driving conditions i.e. stop-and-go, city, highway and roads.

Performance Standards

API SN/CF
ACEA A3/B4-10

Typical Properties

SAE GRADE	5W-30	10W-40
Density, kg/litre@15°C	0.860	0870
Colour ASTM	2.0	2.0
Kinematic Viscosity, mm ² /s@40°C	63.6	100.1
Kinematic Viscosity, mm ² /s@100°C	10.9	14.6
Viscosity Index	165	151
CCS@-25 °C, cP	---	5620
CCS@-30 °C, cP	5700	---
HTHS@150 °C, cP	3.2	3.9
Sulfated ash, %wt	1.31	1.31
Pour Point, °C	-33	-27
Flash Point COC, °C	220	230
TBN, mg KOH/g	10.00	10.00