SUPER XP ENGINE OIL
Monograde

**Fortified With
C60 Fullerenes
Technology**

BARDAHL HIGH PERFORMANCE MINERAL-BASED DIESEL ENGINE OILS – SAE 40 (API CD/SF)

PRODUCT DESCRIPTION

Bardahl Super XP SAE 40 API CD/SF oils are made from highly refined base stocks for added thermal and oxidation stability. Besides Bardahl proprietary additives, these oils are also coupled with high temperature detergent additives for outstanding engine cleanliness.

C60 Fullerenes Technology

Bardahl C60 Fullerene technology uses fullerene molecules to reduce friction and wear in engines. Fullerene molecules create a protective layer of hard particles on engine surfaces and prevent direct surface-to-surface contact. Being spherical in shape, C60 Fullerene molecules act as nano ball bearings, allowing surfaces to glide over one another with minimal friction and wear.

Advantages

- Superior resistance against wear
- Highly resistant to oxidation and oil thickening
- Robust reserved alkalinity (TBN) for outstanding sludge control and acid neutralisation
- Keeps engine cleaner and more efficient
- Cost effective product

Performance Standards

API CD/SF

Applications

- Highly recommended for indirect injection diesel engines and those running on diesel with high sulphur content of more than 0.5% wt.
- Recommended for heavy duty diesel engines particularly for off-highway vehicles and Heavy construction equipment.
- Can be used in gasoline-fuel engines that specify an SAE 40 grade of API SF performance.
- Can be used in transmissions where similar engine oil types are specified.

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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Typical Properties

SAE GRADE	**40**
Density, kg/litre@15°C	0.886
Colour ASTM	2.5
Kinematic Viscosity, mm^2/s@40°C	156.0
Kinematic Viscosity, mm^2/s@100°C	15.0
Viscosity Index	96
Sulfated ash, % wt	0.85
Pour Point, °C	-12
Flash Point COC, °C	232
TBN, mg KOH/g	10.0

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