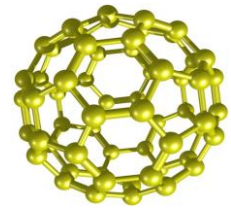




C60 SUPER LUBE PREMIUM DIESEL ENGINE OIL



Fortified With
C60 Polar Plus
Technology

BARDAHL PREMIUM QUALITY DIESEL ENGINE OIL – SAE 15W-40 (API CI-4/SL)

PRODUCT DESCRIPTION

Bardahl C60 Super Lube Premium Diesel Engine Oil 15W-40 is a top-tier, high-performance heavy-duty diesel engine oil that provides excellent performance in multiple applications, making it an ideal service oil for fleet owners.

C60 Polar Plus Technology

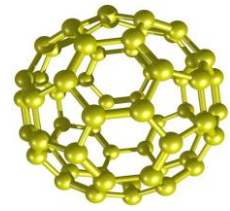
Engine wear during startup can be 4 times as great as wear under normal operating conditions. SAE Paper 952474 reported that 84% of piston ring wear occurs within 22 minutes of starting an engine. Bardahl C60 Super Lube uses proprietary Polar Attraction technology, an organic electro-molecular formula that bonds to engine surfaces, forming a durable lubricant film. This lubricant film stays in place all the time, around the clock, and will not burn away under extreme pressures and temperatures nor drain off when the engine stops. Together with premium engine oils and added with C60 fullerenes, the C60 Super Lube provides triple layers of protection against friction, heat and wear. This unique formulation will prevent engine wear resulting from damaging “dry starts” and provide temporary engine protection in case oil leaks. These outstanding properties of C60 Super Lube have been extensively demonstrated through numerous Bardahl No Oil Runs - the longest on record was the 1330km-run in Malaysia in 1999.

Advantages

- Surpass the warranty service requirements for a wide range of engines
- Outstanding low temperature fluidity
- Designed for severe and high temperature conditions
- Protect emission systems
- Superior all-round protection
- Exceptional thermal and oxidation stability
- Extraordinary oxidation and stability
- Premium performance for mixed fleet operations
- Extra superior soot and wear control
- Robust reserved alkalinity (TBN) for outstanding sludge control and acid neutralisation
- Excellent stay-in-grade stability ensures viscosity integrity and reduces oil consumption
- Enhanced frictional properties result in improved fuel economy and extended engine life
- Fully compatible with conventional mineral motor oils and other synthetic engine oils



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Applications

- Highly recommended for diesel and gasolines; including EGR (Exhaust Gas Recirculation), naturally aspirated or turbocharged where either an API CI-4,CH-4,CG-4,CF-4,CF or SL grade of oils are specified.
- Suitable for many on- and off- highway applications in engines manufactured by Cummins, Detroit, Caterpillar, Mack, Renault, Volvo and others
- Suitable for use on engines using either low or high-sulphur diesel fuels.

Performance Standards

API CI-4/CH-4/SL	MAN 3275	Volvo VDS-3	Mack EO-M Plus
ACEA E7-08	MB p228.3	Cat ECF-1	Detroit Diesel 93K215
ACEA A3/B4-08	MTU Type II	Cummins CES 20072/20077	

Typical Properties

SAE GRADE	15W-40
Density, kg/litre@15°C	0.8754
Colour ASTM	3.0
Kinematic Viscosity, mm ² /s@40°C	114.0
Kinematic Viscosity, mm ² /s@100°C	15.8
Viscosity Index	144
CCS@-20°C, cP	5900
HTHS@150°C, cP	42
Pour Point, °C	-27
Flash Point COC, °C	238
Sulphated Ash, %wt	1.2
TBN, mg KOH/g	9.10