

BioGreen UltraGard 15W-40 Synthetic Blend Engine Oil

*Meets or Exceeds all API and OEM Specifications
Farm, Fleet, Off-Road All Purpose Engine
API CJ-4, CI-4 Plus, CH-4, CH/SM Rating*

DESCRIPTION

BioGreen UltraGard 15W-40 Synthetic Blend Engine Oil is formulated using state-of-the-art additive technology and premium Bio-synthetic blend and conventional base oils to provide an exceptional fleet engine oil for over-the-road, agricultural, logging and industrial engines. This product is approved by all major OEM engine manufacturers and provides a significant performance upgrade over all previous API categories.

BioGreen UltraGard 15W-40 Synthetic Blend Engine Oil is approved for use with ultra low sulphur diesel (ULSD) and low sulphur diesel (LSD) fuels and for all engines equipped with exhaust gas recirculation (EGR) systems and diesel particulate filters (DPF). Approved for use in Caterpillar® engines using ACERT® technology.

BioGreen UltraGard 15W-40 Synthetic Blend Engine Oil offers significant improvements in deposit control, ability to stay in grade over long periods, resistance to high temperature oxidation and engine wear protection when compared to former API service CI-4 and CI-4 Plus oils. Premium bio-synthetic base oils offer enhanced low temperature properties.

BENEFITS

- ✓ Biodegradable;
- ✓ Compatible with petroleum oils - no flushing necessary;
- ✓ Readily recyclable;
- ✓ Superior performance while protecting wildlife, vegetation and the environment;
- ✓ Premium bio-synthetic components enhance full film lubrication at operating temperatures;
- ✓ Premium bio-synthetic components enhance low temperature flow properties for startup and cold weather use;
- ✓ Outstanding soot control for new EGR engines;
- ✓ Exceptional engine cleanliness;
- ✓ Outstanding anti-wear, oxidation control and friction control;
- ✓ Compatible with virtually all current diesel fuels.



- APPLICATION**
- ✓ Over-the-road fleets including fleets with latest EGR and DPF engines;
 - ✓ Municipal service and school district bus fleets;
 - ✓ Automobiles, light and medium duty trucks with diesel or gasoline engines;
 - ✓ Stationary engines powering pumps, generators and drilling rigs;
 - ✓ Construction and farm equipment such as tractors, dozers, front end loaders, excavators;
 - ✓ Logging equipment such as skidders, feller bunchers, harvesters, loaders.

HEALTH SAFETY This product is not classified as hazardous under OSHA definition, simply wash with soap and water after handling. Health & Safety information is printed in the MSDS sheet available on request. This product should not be used for purposes other than its intended use. Typical properties may vary slightly due to product research & development, information may change without notification.

PERFORMANCE LEVELS	API Diesel API Gasoline ACEA Mack Cummins Detroit Diesel Renault Volvo Allison Caterpillar European	Approved CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 , CF Approved SM, SI, SJ, SH E7 Approved EO-N Premium Plus 03, EO-O CES 20081 Approved 93K218 VI RLD-3 Approved VDS 4 C-4 ECF-1A, ECF-2, ECF-3 MAN 3275, EMA DHD-1, MB 228.3
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TYPICAL PROPERTIES	METHOD	15W-40 CJ-4
Specific Gravity	D1298	0.878
Viscosity, cSt @ 40°C	D445	111.0
Viscosity, cSt @ 100°C	D445	15.5
Viscosity Index	D2270	148
Ash, % Sulphated	D874	1.0 max
TBN	D2896	10.1
Pour Point °C (°F)	D97	-35 (-31)
Flash Point, COC °C (°F)	D92	236 (457)