Select from the CamGuard family of quality products for specific applications

Aviation | HD/Diesel | Automotive | Marine | Small Engine

CamGuard™

Rev 9/17/15

CamGuard™

SMALL ENGINE

ADVANCED ENGINE OIL SUPPLEMENT

- Unsurpassed Wear Protection
- Prevents Rust & Corrosion "Off Season"
- Prevents Engine Deposits
- Conditions Seals

CamGuard Small Engine is a blend of high performance additives that fortify small engine motor oils to provide the utmost in engine protection. The latest small engine oil formulations are at best a compromise due to cost, new oil specification delays and government regulations. Cost pressures lead to reduced additive concentrations as well as the inability to utilize the latest additive technology, both of which lead to less than optimum performance.

CamGuard Small Engine delivers uncompromised performance using the most advanced additive technology available to dramatically reduce friction and wear, decrease deposit formation and prevent corrosion when used in today's commercial automotive oils.

CamGuard Small Engine contains advanced antiwear additives that provide a dramatic reduction in wear when compared to current ZDDP (zinc) containing oils.

CamGuard Small Engine contains powerful multi-metal corrosion inhibitors that prevent rust and corrosion in seasonally or infrequently used engines.

CamGuard Small Engine utilizes the latest generation of friction modifiers that provide a reduction in oil temperature.

CamGuard Small Engine utilizes advanced antioxidants to prevent cylinder varnish and ring belt deposits. This is particularly important in the hot running environment of today's higher output engines.

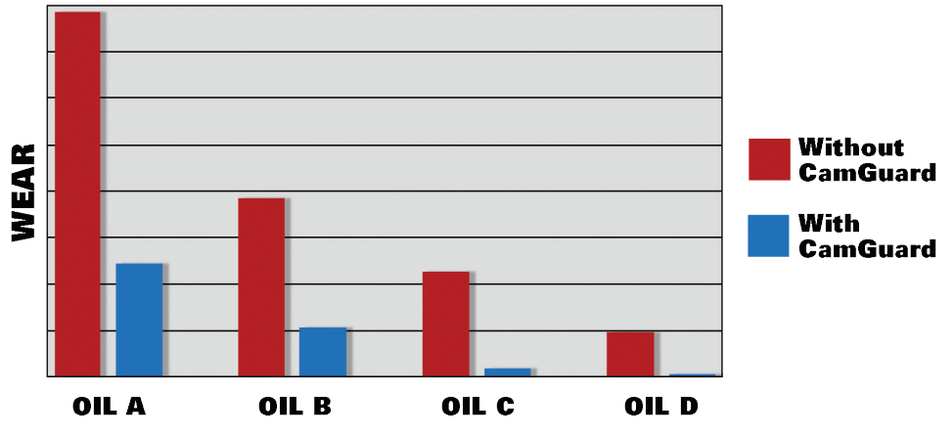
CamGuard Small Engine contains seal conditioners that nullify the effects of heat and time to keep seals supple, flexible, and performing like new.

CamGuard™

Manufactured by Aircraft Specialties Lubricants

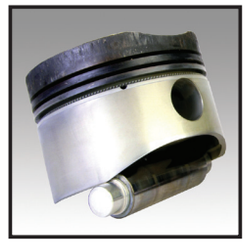
aslcamguard.com

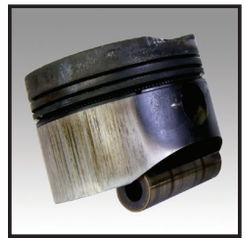
Reduced Wear with CamGuard Small Engine



We tested four of the top selling oils, two conventional and two synthetic, utilizing a FALEX PIN and Vee-block tribometer at an independent analytical laboratory. The Phillips Petroleum designed procedure used is a derivative of ASTM D-2670 and is described in the Scientific Journal "WEAR". The procedure correlates very well with camshaft wear in engines using gasoline and diesel engine oils. The often-cited 4-Ball wear test does not correlate to engine wear.

In the graph above, the red bars show the wear for each of the untreated oils. The blue bars are the corresponding oils with addition of 3% CamGuard Small Engine and reflect the remarkable reduction in wear and demonstrate a true advancement in anti-wear technology when compared to the standard "zinc" anti-wear chemistry.





The CamGuard Story begins with CamGuard Aviation which was developed as an ultra-high performance aviation product.

The two photos at the left are pistons out of Lycoming IO-540 aircraft engines. The top piston is from our FAA certification engine using CamGuard for 500 hours. The certification test was in an aerobatic aircraft that utilized very high power settings resulting in extremely high temperatures.

The bottom piston was taken from a normal use engine, without CamGuard, for 500 hours. The difference in deposits is striking.

CamGuard is the *only* lubricant product to undergo certification testing in the extremes of aerobatic use.