

**Select the CamGuard product designed for your application**



Aviation

Automotive

Marine

Small Engine



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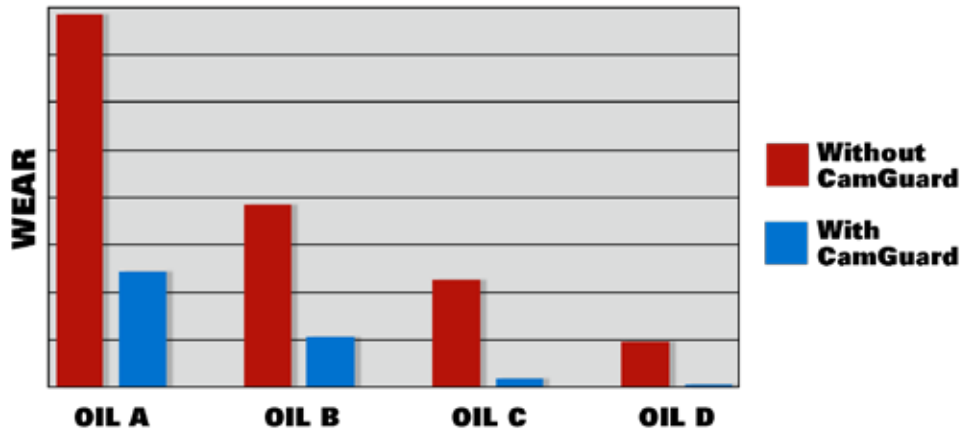
# ASL *CamGuard*<sup>TM</sup>

ADVANCED SMALL ENGINE OIL SUPPLEMENT  
FOR ALL AIR AND WATER COOLED ENGINES



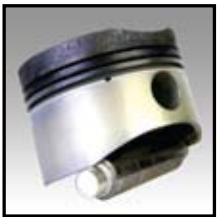
- Reduces Engine Wear
- Prevents Rust and Corrosion
- Inhibits Engine Deposits
- Reduces Engine Temperature
- Conditions Seals

# 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.



**ASL Camguard Aviation** 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 air show aircraft that utilized very high power settings resulting in extremely high temperatures.



The bottom piston was taken from a normal use engine for 500 hours without CamGuard. The difference in deposits is striking. CamGuard is the first lubricant product to undergo certification testing in the extremes of aerobatic use. All Camguard products share the same unique deposit control chemistry.

**CamGuard Small Engine** is a blend of high performance additives that fortify modern small engine oils to provide the utmost in engine protection. Commercial small engine oil formulations use antiquated technology and are at best a compromise due to cost constraints.

**CamGuard Small Engine** delivers uncompromised performance, using advanced technology, to directly address the problems of wear, deposits and corrosion to extend the life of air and water-cooled small engines.

**CamGuard Small Engine** reduces wear an average of more than 80% when compared to commercial oils. This directly addresses small engine camshafts and cylinder wear problems.

**CamGuard Small Engine** contains advanced phosphorus-free anti-wear additives that work synergistically with the reduced "zinc" in current oils.

**CamGuard Small Engine** provides a residual film and excellent anti-scuff protection during "dry starts" when the engine has been sitting.

**CamGuard Small Engine** contains powerful multi-metal corrosion inhibitors that prevent rust and corrosion during offseason storage.

**CamGuard Small Engine** utilizes multiple antioxidants to prevent varnish formation on critical engine parts.

**CamGuard Small Engine** utilizes unique friction modifiers that reside in the high temperature and heavily loaded areas of the engine where they lower cylinder head and oil temperatures.

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

**To Order Now**  
[www.aslcamguard.com](http://www.aslcamguard.com)  
**1-800-826-9252**