



RED LINE SYNTHETIC OIL CORP.

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Four Cycle Kart Oil

Red Line Four Cycle Kart Oil is designed for use in four cycle racing karts. Red Line Kart Oil most importantly improves power and performance in these engines through a dramatic reduction in friction and wear. Most four cycle kart oils are based on synthetic poly alkylene glycol chemistry (PAG) because of the very low deposit forming tendency of these products. They completely decompose at relatively low temperatures and leave little residue. However, this low temperature of thermal decomposition also makes them poor lubricants in the higher temperature upper ring area. The PAG chemistry provides little lubrication in the upper ring area, causing much greater ring and cylinder wear.

In contrast, Red Line Four Cycle Kart Oil uses synthetic polyol esters to provide excellent high-temperature lubrication. These polyol esters are the current jet turbine lubricants and can withstand temperatures at least 100° greater than PAG lubricants. This enhanced thermal stability provides better ring sealing, less ring and cylinder wear, improved power and excellent cylinder head cleanliness. Engine builders find the condition of the ring and cylinder wall absolutely remarkable. Most find the engines last several times as long between

rebuilt as when using the PAG lubricants. One engine builder had the oil dipper break and found the condition of the engine at the end of the race to be perfect. And power production is without equal. The dyno test information below demonstrates between 2 - 6% increase in power depending on RPM and clearance of the engine. The Red Line Four Cycle Kart Oil has the unique ability to provide a good ring seal with a low viscosity lubricant providing power and durability. Red Line Four Cycle Kart Oil can be used with both gasoline and alcohol fuels.

Red Line Four Cycle Kart Oil

- Increases power
- Reduces ring & cylinder wear
- Reduces cylinder leakdown
- Reduces valve train wear
- Provides piston scuff protection
- Improved rust protection
- Low cylinder head deposits
- Compatible with gasoline and alcohol fuel

**Briggs & Stratton 5 HP Engine
(Modified - Approx 8 HP)**

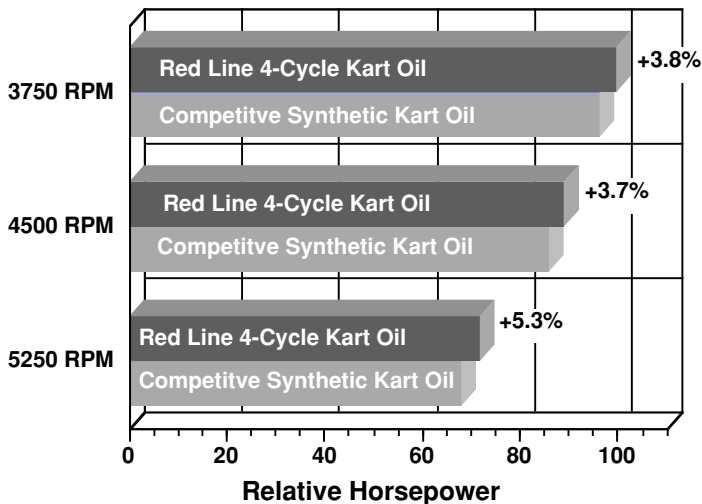


Figure 1: Tighter Clearance Engine

**Briggs & Stratton 5 HP Engine
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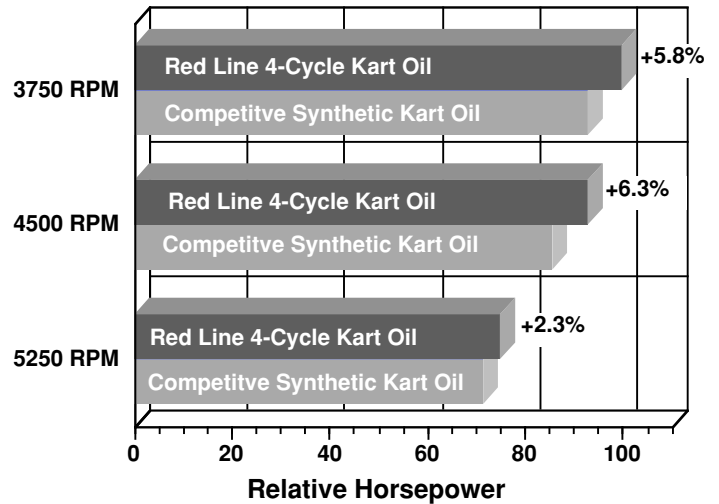


Figure 2: Greater Clearance Engine