



The First in Synthetics®

Quickshot™ SE

**Restores Peak Performance
in Small Engines and
Powersports Equipment**

Degraded fuel presents a major maintenance issue in small engines and powersports equipment. It can form varnish, gum and insoluble debris that clog carburetors, fuel injectors and fuel filters. Carbon buildup can form on the tops of pistons that leads to pre-ignition, rough idling and poor throttle response. Fuel-related problems are only expected to intensify in the coming years as the ethanol content in pump gasoline continues to increase.

AMSOIL Quickshot™ SE (AQS) is a premium fuel additive formulated to thoroughly clean and restore peak performance in small engine and powersports equipment fuel systems. It also stabilizes fuel between uses and during short-term storage periods. Its revolutionary technology focuses on three major fuel-related issues plaguing small engines and powersports equipment: ethanol, water and dirty pump gas.

Ethanol

Ethanol in fuel has a tendency to absorb water and separate from the gasoline, sinking to the bottom of the gas tank, where it quickly degrades and creates gum, varnish and other insoluble debris that can plug fuel flow passages and negatively affect engine performance. When this ethanol/water mixture is pulled into the engine, it creates a lean burn situation that increases combustion chamber temperatures and can lead to engine damage. AMSOIL Quickshot SE is designed to keep water dispersed throughout the fuel

tank, moving it out as a normal part of operation and decreasing the chance of ethanol separating from the gasoline.

Quickshot SE was tested in fuel containing 10 percent ethanol. Controlled plugging of injectors showed a 70 percent flow improvement, while oxidation stability improved 44 percent over untreated fuel.

Water

Water finds its way into gas tanks through condensation in tanks open to the atmosphere, gas pumps and other environmental conditions, and if left untreated, will cause a myriad of starting, performance and corrosion problems. By keeping water dispersed in tiny molecules and safely moving it out of the tank through the combustion chamber, Quickshot SE helps maintain engine performance and protects against damaging corrosion.

Dirty Gasoline

Dirty gasoline causes fuel system gumming and varnish, as well as piston and combustion chamber deposits. Although all gasoline sold in the U.S. is formulated with a lowest additive concentration (LAC) level of detergent additives, these detergent levels are not enough to prevent deposits from building up on critical fuel system components. Quickshot SE contains unique chemistry that quickly detaches and carries away deposits and buildups in fuel systems, injectors and carburetors, while also cleaning hard-to-remove deposits on piston tops, spark plugs and other combustion chamber parts.



Applications

Quickshot SE is recommended for use in all two- and four-stroke gasoline-powered engines, including motorcycles, snowmobiles, boats, personal watercraft, ATVs, edgers, tillers, mowers, snowblowers, chainsaws, generators and farm and construction equipment. However, AMSOIL P.i. Performance Improver is the superior choice for passenger vehicle applications.

Recommendations

Quickshot SE is designed for an initial clean-up dose of 8 oz. per 6 gallons of gasoline, followed by 8 oz. per 12 gallons thereafter.

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

