Advanced Protection for Motorized Scooters

At one time, the word “scooter” conjured up visions of underpowered, noisy, smoky, ill-handling bicycle-like machines. Although low in cost and offering excellent fuel economy, they were primarily seen only on college campuses and in trendy tourist locales. Most featured single cylinder, air-cooled 50 to 150cc engines capable of reaching speeds of up to 35-40 mph.

Today's scooters offer greatly improved handling and exceptional performance, while maintaining their affordability and excellent fuel efficiency. Their popularity has skyrocketed in recent years, and the scooter market is one of the fastest growing segments in the transportation industry. In fact, scooter sales increased 20 percent last year, with similar growth projected for 2007. Today’s scooters range in size from 50 to 600+ cc’s and utilize high-tech engine designs and advanced system controls. Some models are capable of obtaining road speeds in excess of 100 mph. Because these advancements place additional strain on the equipment, today’s high-tech scooters demand high quality lubricants specifically formulated to address the special needs found in scooter applications:

Shear stability - High engine rpms common to scooter applications increase shear, causing conventional lubricants to lose viscosity and reduce their ability to control wear, resulting in shorter engine life.

Thermal stability - The operating temperatures of scooter engines fluctuate greatly, especially with air-cooled engines. Elevated temperatures cause the oil to quickly break down and shorten its service life. High temperatures also cause the oil to lose viscosity, minimizing its ability to control wear.

Transmission and gear box compatibility - In many scooter applications, the engine and transmission and/or gear box share the same oil reservoir, exposing the oil to mechanical shearing forces and permanent viscosity loss as it passes through the contact areas within the gear sets.

Wet-clutch compatibility - Some scooters utilize a frictional clutch to engage and disengage the engine from the drivetrain. In many cases, this clutch is immersed in the same oil used in the engine and transmission. Frictional compatibility must exist between the oil and the clutch to prevent excessive slippage and extend clutch life.

New AMSOIL 10W-40 Formula 4-Stroke® Synthetic Scooter Oil (ASO) is formulated specifically to meet the special needs of today’s high-tech air- and water-cooled four-stroke motorized scooters, offering unsurpassed wear protection and friction reduction for longer equipment life and cooler operating temperatures. Its exceptional shear stability ensures consistent viscosity protection and provides additional protection for transmissions and gear boxes, while its friction modifier-free formulation ensures wet clutch compatibility and smooth clutch operation. A special anti-corrosion additive package provides long-term protection during periods of inactivity and storage.

AMSOIL 10W-40 Formula 4-Stroke Synthetic Scooter Oil is recommended for air- and water-cooled four-stroke motorized scooter engines calling for a 10W-40 viscosity, as well as transmissions and gear boxes calling for a 10W-40 motor oil, including Honda, Kawasaki, Suzuki, Yamaha, Vespa, Aprilia, Piaggio, Benelli, Vento, Kymco, Tank and TGB. It is recommended for the longest drain interval recommended by the equipment manufacturer.

- Superior wear protection
- Cool engine operation
- Controls lubricant foaming
- Exceptional shear stability
- Reduced oil consumption and deposit formation
- Excellent protection in temperature extremes
- Improved fuel economy
- Wet clutch compatible
- Long-term protection against rust and corrosion