

# Neglected Equipment: Powersports



Powersports equipment, including motorcycles, ATVs, snowmobiles and scooters, often experience high-RPM driving, throttle bursts and other harsh conditions that challenge the lubricants used to cool and protect it. A large AMSOIL presence in the motorcycle and snowmobile markets established through sponsorships, advertising and the hard work of Dealers has encouraged tens of thousands of enthusiasts to use high-quality synthetic motor oil in their powersports investments. A number of important applications within the market, however, still tend to be neglected.

## Chaincases & Gearcases

Chaincases and gearcases found in snowmobiles, ATVs and UTVs are among the most overlooked applications in the powersports market, typically because fill holes and drain plugs can be difficult to access. Using a high-quality, long-lasting synthetic lubricant becomes even more important where enthusiasts are likely to forget about checking or changing the fluid. In addition, the chains and gears responsible for converting engine power into motion encounter intense pressures and loads that can rupture the fluid film of inferior lubricants, causing wear and failure. Some enthusiasts use automatic transmission fluid or automotive gear lube to save money. Neither fluid, however, is specifically engineered for powersports chaincase and gearcase applications, and either could lead to premature wear and reduced energy efficiency.

AMSOIL Synthetic Chaincase & Gear Oil (TCC) is formulated with extreme-pressure additives to help extend chain and gear life through increased wear protection. It repels water while also inhibiting rust, oxidation and foam. Its low pour point delivers superior low-temperature performance, reducing drag to ensure maximum power reaches the ground. Each bottle comes with an extendable spout for easy, clean application.



## Grease Fittings

As with chaincases and gearcases, greasable suspension, steering and other points on powersports equipment are often ignored. Although some newer models don't contain grease fittings, owners of older models often aren't aware their machines must be periodically greased. AMSOIL Series 2000 Synthetic Racing Grease (GRG), Synthetic Multi-Purpose Grease (GLC) and Synthetic Water Resistant Grease (GWR) all provide exceptional friction-reduction in powersports applications. They seal out contaminants and provide longer service life compared to conventional grease.

## Engine Oil

The ATV and UTV segments of the market present a unique challenge; people use them year-round in a variety of demanding climates. Someone may use an ATV to plow snow in Wisconsin, while someone else uses a UTV for hauling freight in Texas. Although owners may be unaware, lubricants must be tough and versatile enough to tackle temperature extremes and high-RPM applications.

Scooters, meanwhile, also operate at very high RPM, placing a great deal of strain on their engines, particularly air-cooled models. In addition, ATVs, UTVs and scooters can sit idle for long periods, inviting rust and corrosion formation. Engine oil can accumulate even more contaminants when equipment is driven short distances. These conditions can quickly deteriorate conventional oils, leaving components susceptible to premature wear and failure.

AMSOIL Formula 4-Stroke® Power Sports Synthetic Motor Oil (AFF) is specially formulated for ATVs, UTVs, snowmobiles and other powersports applications. Its broad viscosity range and wax-free formulation make it excellent for use in both hot and cold temperature

extremes. As an SAE 40-weight motor oil, it provides outstanding protection for hot-operating engines, while its 0W rating and -60°F pour point ensure easy cranking, excellent cold-weather starting and quick post-startup protection. It's also wet-clutch compatible and excellent for use in transmissions.

AMSOIL Formula 4-Stroke® 10W-40 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 excellent 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. ■

