

Powersports Transmission Fluid

AMSOIL 100% SYNTHETIC ATV/UTV CONTINUOUSLY VARIABLE TRANSMISSION FLUID

Product Code: AUCVTQT-EA

Protect your ATV/UTV CVT with advanced synthetic fluid engineered for extreme heat, heavy loads, and smooth, reliable performance.



Product Description

AMSOIL 100% Synthetic ATV/UTV Continuously Variable Transmission Fluid delivers purpose-built CVT protection for Polaris STEELDRIVE-equipped machines, combining exceptional friction durability with heavy-load film strength that OEM fluids struggle to match in real-world riding conditions.

CVT transmissions in ATVs and UTVs operate under a unique set of stresses. The belt-and-pulley design depends entirely on precise friction characteristics to prevent slipping, and the fluid has to maintain those characteristics while enduring extreme heat from aggressive trail riding, heavy cargo loads, and low-speed, high-torque crawling. Add passengers, accessories, and a few hours of mud or hill climbs, and you're asking a lot from a transmission fluid that most riders never think about until something goes wrong.

EXCELLENT FRICTION DURABILITY

CVTs don't shift gears in the traditional sense. They rely on a belt riding between two variable-diameter pulleys, and the fluid's frictional properties are what keep that belt from slipping. If the fluid can't maintain consistent friction characteristics over time, you get shudder, inconsistent power delivery, and accelerated belt wear. AMSOIL Synthetic ATV/UTV CVT Fluid is engineered with friction properties specifically calibrated for this application, reducing shudder and promoting smooth, predictable operation across the full range of pulley ratios.

SEVERE-SERVICE WEAR PROTECTION

Extreme pressure and high torque during aggressive riding can mechanically shear conventional fluids, causing them to lose viscosity and leaving components exposed. This is compounded when your Polaris is loaded down with cargo, a second rider, or bolt-on accessories that increase overall drivetrain stress. AMSOIL Synthetic ATV/UTV CVT Fluid maintains outstanding film strength under extreme pressure, protecting heavily loaded CVT components even in the most punishing conditions. The Four-Ball Wear Test (ASTM D4172) returned a wear scar diameter of just 0.43 mm, confirming strong anti-wear performance where it counts.

SUPERIOR EXTREME-TEMPERATURE PERFORMANCE

Heat is the primary enemy of transmission fluid longevity. Sustained high-RPM operation, slow-speed technical riding, and hot summer conditions all push CVT temperatures well beyond what casual use demands. When fluid breaks down under heat, it leaves deposits that accelerate wear and degrade shift quality. AMSOIL Synthetic ATV/UTV CVT Fluid resists thermal breakdown with a flash point of 220 degC (428 degF) and a fire point of 236 degC (457 degF), helping cool transmission components and extend fluid life. On the other end of the spectrum, a Brookfield viscosity of 9,150 cP at -40 degC and a pour point of -46 degC (-51 degF) mean

the fluid flows quickly during cold starts, whether you're riding in late fall or the middle of winter.

HIGH VISCOSITY INDEX FOR CONSISTENT PROTECTION

A viscosity index of 182 means this fluid maintains stable viscosity across a wide temperature range. It won't thin out excessively when the CVT heats up during hard use, and it won't thicken to the point of sluggish operation in cold weather. That stability translates directly to consistent belt grip, predictable power delivery, and reliable protection season after season. At operating temperature (100 degC), the fluid holds a kinematic viscosity of 7.4 cSt, while at 40 degC it measures 35.6 cSt, both well-suited for CVT pulley systems that demand precise fluid behavior.

SPECIFICATIONS AND COMPATIBILITY

AMSOIL Synthetic ATV/UTV CVT Fluid is designed for use in Polaris STEELDRIVE CVT transmissions. It serves as a direct, high-performance replacement for Polaris OEM CVT fluid and is Warranty Secure, meaning it will not void your factory warranty. For riders searching for a synthetic CVT fluid for Polaris Ranger, Polaris RZR, or Polaris Sportsman models equipped with STEELDRIVE transmissions, this is a purpose-engineered alternative to the dealer-supplied fluid.

SERVICE LIFE

Follow the original equipment manufacturer's recommended oil change interval for your specific machine. Polaris typically specifies CVT fluid changes based on hours of operation or mileage, and adhering to those intervals with a premium synthetic fluid helps maximize transmission longevity.

Technical Specifications

Property	Value	Test Method
Kinematic Viscosity @ 100 degC, cSt	7.4	ASTM D445
Kinematic Viscosity @ 40 degC, cSt	35.6	ASTM D445
Viscosity Index	182	ASTM D2270
Brookfield Viscosity @ -40 degC, cP	9,150	ASTM D2983
Flash Point, degC (degF)	220 (428)	ASTM D92
Fire Point, degC (degF)	236 (457)	ASTM D92
Pour Point, degC (degF)	-46 (-51)	ASTM D97
Four-Ball Wear Test (75 degC, 1200 rpm, 40 kg, 1 hr), mm	0.43	ASTM D4172

Frequently Asked Questions

Q1: What vehicles and equipment use AMSOIL 100% Synthetic ATV/UTV CVT Fluid?

AMSOIL 100% Synthetic ATV/UTV Continuously Variable Transmission Fluid (AUCVTQT) is engineered for CVT-equipped ATVs and UTVs. It is also listed for a broad range of powersports and vehicle applications including motorcycles, snowmobiles, marine outboards, PWCs, and even auto/light truck, heavy-duty on-road, heavy-duty off-road, and agriculture equipment with compatible CVT systems. Use the AMSOIL vehicle lookup tool to confirm fitment for your specific machine.

Q2: How does AMSOIL ATV/UTV CVT Fluid protect against wear in extreme riding conditions?

AMSOIL 100% Synthetic ATV/UTV CVT Fluid is formulated to deliver severe-service wear protection for heavily loaded, high-torque CVTs operating in the most demanding conditions. It protects CVT components against wear during high-temperature, heavy-load operation and prevents shudder, providing consistently smooth transmission performance that helps extend overall transmission life.

Q3: What specifications does AMSOIL 100% Synthetic ATV/UTV CVT Fluid meet?

The product page references a downloadable Data Bulletin and SDS for full technical specifications. While specific OEM specification approvals are detailed in those documents, the fluid is engineered to maximize CVT performance and efficiency in heavily loaded, high-torque applications. For complete specification and compatibility details, AMSOIL recommends consulting the Data Bulletin or using their vehicle lookup guide.

Q4: How does AMSOIL ATV/UTV CVT Fluid compare to OEM CVT fluid for side-by-sides and quads?

AMSOIL 100% Synthetic ATV/UTV CVT Fluid is purpose-built for the severe-service demands of powersports CVTs, which face heavier loads and higher temperatures than typical automotive CVTs. It resists the effects of extreme heat to help cool transmission components and extend fluid life beyond what conventional or OEM fluids may offer. It also prevents CVT shudder, helping maintain consistently smooth operation even when pushing machines to their limits.

Q5: Does AMSOIL ATV/UTV CVT Fluid work in cold weather and subzero temperatures?

Yes. AMSOIL 100% Synthetic ATV/UTV CVT Fluid remains fluid in subzero temperatures, enabling fast and efficient CVT operation all year long. This superior extreme-temperature performance means the fluid flows quickly during cold starts in winter riding or snowmobile applications, reducing lag and protecting transmission components from the moment you start your machine.

Q6: Is AMSOIL 100% Synthetic ATV/UTV CVT Fluid safe for high-temperature operation in heavily loaded UTVs?

Yes. AMSOIL 100% Synthetic ATV/UTV CVT Fluid is specifically engineered to resist the effects of extreme heat, helping to cool transmission components and extend fluid life during heavily loaded, high-temperature operation. This makes it well suited for demanding UTV applications such as trail riding, hauling, towing, and mudding where CVT temperatures can climb significantly.

Available Product Codes

Product Code	Package Size	Unit of Measure
AUCVTQT-EA	Quart Bottle	Each
AUCVTQT-CA	Quart Bottle	Case of 12

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