

ATV/UTV TRANSMISSION & SUSPENSION FLUID

AMSOIL 100% SYNTHETIC ATV/UTV TRANSMISSION & DIFFERENTIAL FLUID

Use this API GL-5 ATV/UTV gear fluid in transmissions and differentials that haul, plow, and work rough ground. 0.46 mm wear scar, zero foam.

Independent guide: Prepared by ATV-Oil.com, independent AMSOIL Dealer ZO# 1642716. This is not an AMSOIL corporate publication. Confirm product selection against the vehicle manual and official AMSOIL lookup.

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Product Description

Use AMSOIL 100% Synthetic ATV/UTV Transmission & Differential Fluid when your ATV or UTV transmission or differential calls for API GL-5 gear lubricant. It covers applications from Honda, Yamaha, Kawasaki, Can-Am, and Suzuki, but the badge on the plastic is not the final answer. The housing callout is. Pick this fluid for GL-5 service, especially on machines that haul, plow, tow, or spend weekends beating through rough ground.

Start with API GL-5

Find API GL-5 in the service chart for the exact transmission or differential you are filling. That marking names the gear-lubricant category this fluid meets. A similar viscosity or a familiar brand name does not replace the specification printed for the housing.

Honda, Yamaha, Kawasaki, Can-Am, and Suzuki applications are part of the coverage, but each manufacturer builds more than one drivetrain design. Confirm the component and model year before service, because two housings on the same machine can require different products.

Do not confuse it with powertrain fluid

AMSOIL ATV/UTV Powertrain Fluid covers Demand Drive, AGL, and wet-brake applications, and it specifically says not to use it where API GL-5 is specified. This product is the GL-5 side of that split. Keep the two jobs separate on the bench.

During a full service, drain plugs can look more alike than the fluids behind them. Label the compartments, check the chart, and refill one housing at a time. That habit keeps a GL-5 gearcase from getting Demand Drive fluid by mistake.

Protect loaded gears

Plows, winches, skid plates, roofs, doors, tools, and cargo all add weight. Rough ground and aggressive throttle add shock load. Extreme pressure and high torque can shear a standard-service oil, thin the film, and leave gears and bearings exposed.

This fluid is built with outstanding film strength to resist extreme pressure and protect heavily loaded gears and bearings in severe operating conditions. Synthetic technology gives reserve wear protection for the hard moments, not just the easy miles between chores.

The ASTM D4172 four-ball wear scar is 0.46 mm under Paragraph 3 conditions: 150°C, 1,800 rpm, a 40 kg load, and one hour. Treat the scar as a repeatable bench comparison for film strength. Fitment still comes from the API GL-5 requirement.

Keep foam out of the gear mesh

ASTM D892 foam results are zero across all three sequences. The test blows air through the oil and reports foam volume at the end of aeration and after settling. Zero means no measurable foam formed in any sequence.

Air does not carry load like a steady oil film. A foaming gear lubricant can pull bubbles into the contact zone right where the gear teeth need protection. Zero foam results help keep the film continuous while the machine is towing, hauling, or climbing.

Pick the package and service interval

Kinematic viscosity is 120.4 cSt at 40°C and 15.6 cSt at 100°C under ASTM D445, with an ASTM D2270 viscosity index of 136. Flash and fire points are 210°C (410°F) and 220°C (428°F), and the ASTM D97 pour point is -43°C (-45°F).

Choose easy-pack or bottle by access to the fill plug. AUDTPK-EA is the single quart easy-pack and AUDTPK-CA is the case of twelve. AUDTQT-EA is the single quart bottle and AUDTQT-CA is the case. The fluid is Warranty Secure and carries the AMSOIL Limited Warranty (G1363).

Pull capacity and interval from the maintenance information for your exact housing. No separate drain interval is published for this fluid, so the original equipment manufacturer's oil change recommendation stays in charge.

Verified specifications

Property	Value	Test Method
Kinematic Viscosity @ 100°C, cSt	15.6	ASTM D445
Kinematic Viscosity @ 40°C, cSt	120.4	ASTM D445
Viscosity Index	136	ASTM D2270
Flash Point, °C (°F)	210 (410)	ASTM D92
Fire Point, °C (°F)	220 (428)	ASTM D92
Pour Point, °C (°F)	-43 (-45)	ASTM D97
Four-Ball Wear Test (150°C, 1800 rpm, 40 kg, 1 hr)	0.46 mm	ASTM D4172
Foam, Sequence I, II & III	0/0/0	ASTM D892

FREQUENTLY ASKED QUESTIONS

Q1: What specification does this fluid meet?

It meets API GL-5. Your transmission or differential also needs to call for API GL-5 before this is the right fluid. The spec printed for the housing matters more than a matching viscosity or brand family.

Q2: Can I use it in every Honda, Yamaha, Kawasaki, Can-Am, or Suzuki?

No. Those brands appear in the application range, but the exact transmission or differential has to require API GL-5. Check the model-year service chart for the component you are filling.

Q3: Can it replace Polaris Demand Drive or AGL?

No. Demand Drive and AGL applications belong to AMSOIL ATV/UTV Powertrain Fluid, not this GL-5 gear fluid. The powertrain fluid also has the opposite warning: do not use it where API GL-5 is specified.

Q4: What do the zero foam results mean?

ASTM D892 showed zero foam in all three test sequences. That means no measurable foam formed during aeration, which helps keep a continuous oil film between gear teeth instead of dragging air bubbles into the load zone.

Q5: Is this a good choice for plowing and hauling?

Yes, when the housing calls for API GL-5. The fluid is built for ATV and UTV transmissions and differentials that see towing, hauling, plowing, accessory weight, and rough terrain.

Q6: Which package should I buy?

Use the package that fits the job. The easy-pack helps with awkward fill holes, while the quart bottle works well when access is open. Capacity comes from your service chart, and both package styles contain the same fluid.

AVAILABLE PRODUCT CODES

Product Code	Package Size	Unit of Measure
AUDTPK-EA	Quart Easy-Pack	Each
AUDTPK-CA	Quart Easy-Pack	Case of 12
AUDTQT-EA	Quart Bottle	Each
AUDTQT-CA	Quart Bottle	Case of 12