

ATV/UTV TRANSMISSION & SUSPENSION FLUID

AMSOIL 100% SYNTHETIC ATV/UTV POWERTRAIN FLUID

Use AMSOIL ATV/UTV Powertrain Fluid where Polaris Demand Drive or AGL is called for. Wet-brake compatible, 0.39 mm wear scar, not for GL-5 service here.

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 Powertrain Fluid where the service chart calls for Polaris Demand Drive Fluid or Polaris AGL Synthetic Gearcase Lubricant and Transmission Fluid. It fits listed Polaris RANGER, RZR, GENERAL, and Sportsman transmissions, differentials, front drives, and hubs. It also covers ATVs and UTVs that require wet-brake-compatible fluid, including Argo, Kawasaki, and Yamaha applications. Stop if the housing calls for API GL-5 gear lubricant.

Match the housing callout

Find the exact housing in your model-year chart before you open the easy-pack. Polaris RANGER, RZR, GENERAL, and Sportsman applications qualify when that housing calls for Demand Drive Fluid or AGL Synthetic Gearcase Lubricant and Transmission Fluid.

Do not fill every drivetrain box from one pack just because the plugs look alike. A front drive, transmission, differential, and hub can sit on the same machine with different fluid requirements. Match each service point by name and keep the API GL-5 housings out of this product.

Use it for wet brakes

Wet-brake compatibility is part of the application range. ATVs and UTVs from Argo, Kawasaki, Yamaha, and other listed uses qualify when the machine calls for a wet-brake-compatible fluid. The brand alone does not confirm the fit, so check the component requirement.

The formula is designed to prevent clutch chatter, the grab-and-release feel that shows up when submerged friction parts do not engage cleanly. Wet brakes and clutches depend on the fluid's friction behavior, so the correct callout matters as much as wear protection.

Respect the API GL-5 stop sign

Do not use this powertrain fluid where API GL-5 is specified. That is the line that keeps a Demand Drive or AGL service point from getting confused with a gear-oil housing. If the book says GL-5, grab the AMSOIL ATV/UTV Transmission & Differential Fluid instead.

That split matters during a full service. Machines with plows, winches, roofs, and skid plates often get every drain plug pulled in one afternoon. Lay out the fluids by compartment before you start, and mark each empty housing so the wrong

product does not go back in.

Protect gears under load

Added accessories and aggressive riding raise the load inside transmissions, differentials, front drives, and hubs. Durable synthetic base oils resist viscosity loss from mechanical shear, and the lubricating film protects against extreme pressure and heat when the machine works hard.

The ASTM D4172 four-ball wear scar is 0.39 mm under Paragraph 3 conditions: 150°C, 1,800 rpm, a 40 kg load, and one hour. A fourth ball spins against three clamped balls in the fluid. Use the scar as a film-strength comparison, not a replacement for the service chart.

Handle cold, packages, and timing

Kinematic viscosity is 36.6 cSt at 40°C and 7.4 cSt at 100°C under ASTM D445, with an ASTM D2270 viscosity index of 175. Flash and fire points are 230°C (446°F) and 248°C (478°F) under ASTM D92. Relative density is 0.8448.

Brookfield viscosity is 10,288 cP at -40°C, and the ASTM D97 pour point is -50°C (-58°F). That supports fast, reliable lubricant flow at startup in harsh winter climates, but pour point is still a lab flow property rather than an approved operating floor.

AUPTPK-EA is the single quart easy-pack and AUPTPK-CA is the case of twelve. Follow the original equipment manufacturer's oil change recommendation for the exact vehicle and housing. Warranty Secure coverage and the AMSOIL Limited Warranty (G1363) apply.

Verified specifications

Property	Value	Test Method
Kinematic Viscosity @ 100°C, cSt	7.4	ASTM D445
Kinematic Viscosity @ 40°C, cSt	36.6	ASTM D445
Viscosity Index	175	ASTM D2270
Flash Point, °C (°F)	230 (446)	ASTM D92
Fire Point, °C (°F)	248 (478)	ASTM D92
Pour Point, °C (°F)	-50 (-58)	ASTM D97
Four-Ball Wear Test, mm (150°C, 1800 rpm, 40 kg, 1 hr)	0.39	ASTM D4172
Brookfield Viscosity @ -40°C, cP	10,288	ASTM D2983

FREQUENTLY ASKED QUESTIONS

Q1: Which Polaris fluids does this replace?

It replaces Polaris Demand Drive Fluid and Polaris AGL Synthetic Gearcase Lubricant and Transmission Fluid in listed RANGER, RZR, GENERAL, and Sportsman housings that call for those products. The housing has to name one of those fluids.

Q2: Can I use it where API GL-5 is specified?

No. Do not use this powertrain fluid in any application that requires API GL-5 gear lubricant. A GL-5 housing needs the ATV/UTV Transmission & Differential Fluid or another fluid that meets that specification.

Q3: Does it work with wet brakes?

Yes, when the ATV or UTV calls for a wet-brake-compatible fluid. That includes listed Argo, Kawasaki, and Yamaha applications, but the exact model and component requirement still need to match before you fill the housing.

Q4: What does the 0.39 mm wear scar show?

It is the ASTM D4172 four-ball scar measured at 150°C, 1,800 rpm, a 40 kg load, and one hour. A smaller scar points to stronger film protection under that bench test, but it does not override the required fluid callout.

Q5: How does the easy-pack help during service?

The flexible easy-pack helps reach fill plugs tucked behind skid plates, frame tubes, or bodywork. AUPTPK-EA is one quart and AUPTPK-CA is a case of twelve, so use the housing capacity to decide how many packs to set out.

Q6: How often should the housing be serviced?

Follow the original equipment manufacturer's oil change recommendation for your exact vehicle and housing. One machine can have several service points, so capacity and timing need to come from the chart for that compartment.

AVAILABLE PRODUCT CODES

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