

Automatic Transmission Fluid

AMSOIL SUPER SHIFT(R) 10W RACING TRANSMISSION FLUID

Product Code: ARTQT-EA

Maximize power and protect your racing transmission with firm shifts, reduced heat, and superior wear resistance under extreme conditions.



Product Description

AMSOIL Super Shift Racing Transmission Fluid is a synthetic ATF built specifically for high-horsepower, high-torque racing transmissions where conventional fluids fall apart under stress. It delivers firm, positive shifts, reduced operating temperatures, and serious wear protection for drag cars, monster trucks, stock cars, off-road 4x4 vehicles, and street hot rods.

Racing transmissions operate in a brutal environment. Sustained high RPM, massive torque loads, and extreme heat push fluid well beyond what typical ATFs are designed to handle. When fluid breaks down under those conditions, you get clutch slippage, sludge buildup, viscosity loss, and eventually a rebuild. The transmission in a turbo LS-powered drag car or a monster truck doesn't need a smooth-shifting passenger car fluid. It needs a fluid that bites hard, holds up under punishment, and keeps internals clean.

VIRTUALLY ELIMINATES CLUTCH SLIPPAGE

Clutch slippage robs power and generates heat. Super Shift is formulated with friction characteristics that provide high holding capacity for maximum torque transfer and brake power. The result is positive clutch engagement and firm, consistent shifts, the kind of response you need when milliseconds matter on a drag strip or oval track. This is not a fluid designed for smooth, barely perceptible shifts in a daily driver. It is designed to lock up hard and transfer every bit of power to the wheels.

REDUCES EXTREME OPERATING TEMPERATURES

Heat is the single biggest threat to a racing transmission. Super Shift functions as a heat transfer fluid, pulling heat away from critical components more efficiently. By controlling clutch slippage, it also reduces the heat generated during shifts in the first place. The fluid posts a flash point of 246 degC (475 degF) and a fire point of 262 degC (504 degF), giving it significant thermal headroom under sustained hard use. A pour point of -48 degC (-54 degF) means it flows readily at startup, even in cold shop conditions or early-morning staging lanes, providing immediate protection before the transmission reaches operating temperature.

RESISTS BREAKDOWN AND KEEPS TRANSMISSIONS CLEAN

Fluids that can't handle intense heat and shearing forces generate varnish, deposits, and sludge that coat valve bodies and clutch plates. Super Shift's synthetic base oils and thermal stability resist oxidation and breakdown, keeping the transmission clean internally. NOACK volatility testing (ASTM D5800) shows only 6.6% weight loss, indicating the fluid resists evaporation and stays in grade even under sustained high temperatures. Shear-stable base oils help prevent viscosity loss throughout the fluid's service life, so protection doesn't degrade between changes.

PROTECTS HARD PARTS AND CLUTCH MATERIALS

Rebuilds are expensive and cost seat time. Super Shift's robust additive system protects clutches, bearings, and bushings even under

sustained periods of applied pressure and high torque loads. In Four-Ball Wear testing (ASTM D4172B), it produced a wear scar of just 0.35 mm, demonstrating strong anti-wear film strength. That protection translates directly to longer component life and fewer teardowns.

INHIBITS CORROSION AND CONTROLS FOAM

Race cars often sit between events for weeks or months. Super Shift protects internal transmission components from corrosion during prolonged storage. It also controls foaming, which matters because aerated fluid reduces hydraulic pressure and leads to inconsistent clutch engagement and accelerated wear.

SPECIFICATIONS AND COMPATIBILITY

Super Shift is recommended for use in automatic transmissions that require Allison C-4 or Ford Type F fluid. It is compatible with other transmission fluids, though mixing should be minimized for best performance. This fluid is not a replacement for Ford MERCON, GM DEXRON, or Chrysler ATF+ type fluids in standard passenger vehicle and truck transmissions. Using it in those applications may cause erratic shift patterns, chattering, or noise. This is a purpose-built racing transmission fluid for drag cars, stock cars, monster trucks, off-road 4x4 vehicles, and street hot rods running high-horsepower combinations.

Technical Specifications

Property	Value	Test Method
Kinematic Viscosity @ 100 degC, cSt	7.1	ASTM D445
Kinematic Viscosity @ 40 degC, cSt	41.9	ASTM D445
Viscosity Index	132	ASTM D2270
Viscosity CCS, cP @ degC	4270 (-30)	ASTM D5293
Flash Point, degC (degF)	246 (475)	ASTM D92
Fire Point, degC (degF)	262 (504)	ASTM D92
Pour Point, degC (degF)	-48 (-54)	ASTM D97
NOACK Volatility, % weight loss (g/100g)	6.6	ASTM D5800
Four-Ball Wear Test Scar, mm (40 kg, 75 degC, 1200 rpm, 1 hr)	0.35	ASTM D4172B

Frequently Asked Questions

Q1: What vehicles and applications is AMSOIL Super Shift Racing Transmission Fluid designed for?

AMSOIL Super Shift Racing Transmission Fluid is designed for automatic transmissions coupled to high-horsepower, high-torque engines where heavy loads place extreme demand on the transmission. Suggested applications include drag racing cars and trucks, monster trucks, stock cars, off-road 4x4 vehicles, and street hot rods. It is recommended for transmissions that require Allison C-4 or Ford Type F fluid.

Q2: How does AMSOIL Super Shift Racing Transmission Fluid help reduce transmission temperatures?

AMSOIL Super Shift Racing Transmission Fluid acts as a heat transfer fluid and helps reduce operating temperatures by controlling clutch slippage in hot transmissions. Its superior oxidative and thermal stability inhibits the formation of varnish, deposits, and sludge, helping prevent heat-related transmission failures. This allows racers to push their vehicles harder with greater confidence in transmission reliability.

Q3: What specifications does AMSOIL Super Shift Racing Transmission Fluid meet?

AMSOIL Super Shift Racing Transmission Fluid is formulated for use in transmissions that require Allison C-4 or Ford Type F fluid specifications. It features shear-stable base oils that help prevent viscosity loss throughout its service life, and it contains a robust additive system selected specifically for racing applications. It provides high holding capacity for maximum torque transfer and brake power.

Q4: How does AMSOIL Super Shift Racing Transmission Fluid compare to conventional Type F transmission fluids?

AMSOIL Super Shift Racing Transmission Fluid is formulated with top-quality additives specifically selected for racing applications, offering superior transmission friction performance compared to conventional Type F fluids. It virtually eliminates slippage, promotes positive clutch engagement, and improves overall shift performance to help racers improve lap times. Verified users have reported noticeably harder, quicker shifts and cooler operating temperatures compared to conventional Type F alternatives like Valvoline Type F.

Q5: Does AMSOIL Super Shift Racing Transmission Fluid protect transmissions during long-term storage?

Yes. AMSOIL Super Shift Racing Transmission Fluid is formulated with corrosion inhibitors that protect equipment during prolonged periods of storage, which is common for race vehicles used seasonally. It also controls foaming for reduced component wear and responsive clutch plate engagement when the vehicle returns to active use. In low temperatures, it flows readily for dependable startup and post-startup protection.

Q6: Can I use AMSOIL Super Shift Racing Transmission Fluid in my daily driver or regular passenger truck?

No. AMSOIL Super Shift Racing Transmission Fluid is not recommended as a replacement for Ford MERCON, GM DEXRON, or Chrysler ATF+ type fluids in passenger vehicle and truck transmissions, as it may cause erratic shift patterns, chattering, or noise. It is compatible with other transmission fluids, but mixing should be minimized for best performance. This product is purpose-built for high-performance racing transmissions requiring Allison C-4 or Ford Type F specifications.

Available Product Codes

Product Code	Package Size	Unit of Measure
ARTQT-EA	Quart Bottle	Each
ARTQT-CA	Quart Bottle	Case of 12
ART55-EA	55 Gallon Drum	Each

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