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DATA BULLETIN

Super Shift® Synthetic Racing Transmission Fluid

Formulated for High-Horsepower, High-Torque Applications



- **Helps** reduce extreme heat
- **Promotes** smooth shifts
- **Guards** against wear

For maximum success, racers need to be confident their transmission is going to shift smoothly and operate properly no matter how hard they push their vehicle. Powerful, high-torque racing applications, however, place enormous stress on transmissions. Fluids incapable of withstanding intense heat and shearing forces can break down, leading to damaging sludge, wear and poor shift quality. AMSOIL Super Shift Synthetic Racing Transmission Fluid resists extreme heat to virtually eliminate slippage and improve shift performance while protecting against wear, helping racers improve on the track and save money in the garage.

Helps Transmissions Run Clean

AMSOIL Super Shift guards against heat and wear, helping reduce temperatures and prevent transmission failures. Its superior oxidative and thermal stability inhibits the formation of varnish, deposits and sludge so equipment runs clean. Super Shift acts as a heat transfer fluid and, by controlling clutch slippage, it helps reduce operating temperatures in hot transmissions. In low temperatures, Super Shift flows readily for dependable startup and post-startup protection.

Smooth Shifts

AMSOIL Super Shift contains top-quality additives selected specifically for racing applications. Its superior transmission friction performance provides high holding capacity for maximum torque transfer and brake power. Super Shift virtually eliminates slippage, promotes positive clutch engagement and improves overall shift performance, helping racers improve lap times.

Wear Protection

AMSOIL Super Shift contains a robust additive system for extra protection, and its shear-stable base oils help prevent viscosity loss throughout its service life. Super Shift provides long-term protection against equipment wear, even when equipment is frequently subjected to sustained periods of applied pressure or high horsepower and high torque. It helps clutches, bearings and bushings last longer, saving money on transmission repairs.

Inhibits Corrosion and Foam

AMSOIL Super Shift protects equipment from corrosion during prolonged periods of equipment storage. It controls foaming for reduced component wear and responsive clutch plate engagement.

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Typical Technical Properties – AMSOIL Super Shift Synthetic Racing Transmission Fluid (ART)

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

RECOMMENDATIONS

Use in automatic transmissions coupled to high-horsepower, high-torque engines and where heavy loads place a high demand on transmissions. Use in transmissions that require Allison* C-4 or Ford* Type F fluid. Suggested automatic transmission applications include:

- Drag racing cars and trucks
- Monster trucks
- Stock cars
- Off-road 4x4 vehicles
- Street hot rods

COMPATIBILITY

AMSOIL Super Shift Synthetic Racing Transmission Fluid is compatible with other fluids; however, for best performance and service life, mixing fluids should be minimized.

Note: *AMSOIL Super Shift Synthetic 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. AMSOIL is not responsible for transmission performance inconsistent with those specifications listed and where transmissions have been modified from the original manufacturer's design.*

HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS). An SDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children**. Recycle used oil and bottle.

AMSOIL PRODUCT WARRANTY

AMSOIL products are backed by a Limited Liability Warranty. For complete information visit www.amsoil.com/warranty.aspx.

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