DATA BULLETIN

Super Shift® Synthetic Racing Transmission Fluid

Formulated for High-Horsepower, High-Torque Applications

Allison C-4 • Ford Type F

AMSOIL Super Shift® Synthetic Racing Transmission Fluid is specifically formulated for automatic transmissions operating in high-horsepower and high-torque conditions. 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, reduced wear and longer clutch plate life. Super Shift virtually eliminates slippage, promotes positive clutch engagement and improves overall shift performance, helping racers improve on elapsed times.

Wear Protection

AMSOIL Super Shift Synthetic Racing Transmission Fluid 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 the equipment is frequently subjected to sustained periods of applied pressure or high horsepower and high torque. Clutches, bearings and bushings last longer, saving money on transmission repairs.

Extreme-Temperature Performance

AMSOIL Super Shift Synthetic Racing Transmission Fluid is highly effective against heat and wear, helping reduce temperatures and 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 of hot transmissions. In low temperatures, Super Shift flows readily for dependable startup and post-startup protection.

Inhibits Corrosion and Foam

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

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

Kinematic Viscosity @ 100˚C, cSt (ASTM D 445)	7.1
Kinematic Viscosity @ 40˚C, cSt (ASTM D 445)	41.9
Viscosity Index (ASTM D 2270)	132
Viscosity CCS, cP @ ˚C (ASTM D 5293)	4270 (-30)
Flash Point, ˚C (˚F) (ASTM D 92)	246 (475)
Fire Point, ˚C (˚F) (ASTM D 92)	262 (504)
Pour Point, ˚C (˚F) (ASTM D 97)	-48 (-54)
NOACK Volatility, % weight loss (g/100g) (ASTM D 5800)	6.6
Four-Ball Wear Test, (ASTM D 4172B @ 40 kg, 75˚C, 1200 rpm, 1 hr) Scar in mm	0.35

RECOMMENDATIONS

AMSOIL Super Shift Synthetic Racing Transmission Fluid is recommended for automatic transmissions coupled to high-horsepower, high-torque engines and where heavy loads place a high demand on transmissions. **Recommended where Allison C-4 or Ford Type F is required.** 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 fully compatible with other fluids. However, a mixture of AMSOIL Super Shift and another oil will decrease performance and offer a shorter service life than pure AMSOIL Synthetic Super Shift Racing Transmission Fluid.

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 Material Safety Data Sheet (MSDS). An MSDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101.

KEEP OUT OF REACH OF CHILDREN. Don't pollute – return used oil to collection centers.

For AMSOIL warranty information, visit www.amsoil.com.

The First in Synthetics®

AMSOIL products and Dealership information are available from your local AMSOIL Dealer.

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