



The First in Synthetics®

## Synthetic Universal Automatic Transmission Fluid

For Outstanding Performance in Transmissions, Power Steering and Hydraulic Applications

### PRODUCT DESCRIPTION

AMSOIL Synthetic Automatic Transmission Fluid (ATF) exceeds the performance requirements for domestic and foreign automatic transmission fluid applications. AMSOIL ATF provides automatic transmissions, power steering units and hydraulic equipment with excellent lubricating protection and better performance over a wider temperature range than conventional automatic transmission fluids.

### Resists Oxidation and Thermal Degradation

AMSOIL ATF resists thermal and oxidative degradation better than conventional transmission fluids, protecting clutches, planetary gears, valves, pumps and seals from damaging sludge and varnish deposits. AMSOIL ATF helps prevent component overheating and ensures cooler, smoother transmission operation.

### Provides Low Temperature Protection

AMSOIL ATF outperforms petroleum fluids in low temperature fluidity. In fact, AMSOIL ATF offers twice the cold temperature fluidity required by current automatic transmission fluid specifications. AMSOIL ATF provides easier starting, faster warm-ups, smoother shifting and improved fuel economy.

### Antiwear Protection

AMSOIL ATF provides smooth shifting and long, trouble-free transmission life. In addition, the antiwear additive package makes AMSOIL ATF an excellent lubricant in other hydraulic

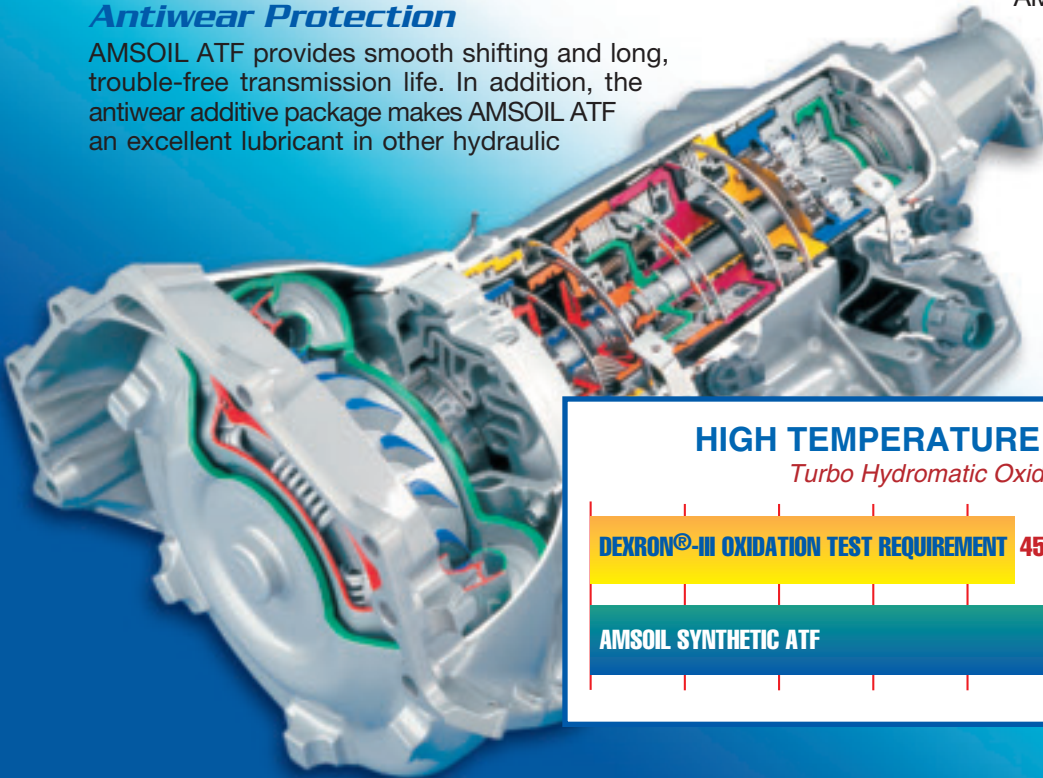


systems. In tests designed to measure wear characteristics under severe service and high pressure operating conditions, AMSOIL ATF far exceeds the requirements of hydraulic equipment manufacturers.

### Extends Drain Intervals

AMSOIL ATF is a stable formulation that lasts longer in service than conventional ATFs. It maintains its viscosity, friction and lubricating properties for extended periods of time, even under severe conditions.

AMSOIL ATF maximizes transmission performance and service life while reducing maintenance costs through longer drain intervals.



### HIGH TEMPERATURE FLUID LIFE TEST

Turbo Hydromatic Oxidation Test (THOT)

DEXRON®-III OXIDATION TEST REQUIREMENT 450 HOURS

RESISTS OXIDATION TWO TIMES LONGER THAN REQUIRED FOR CONVENTIONAL ATF.

AMSOIL SYNTHETIC ATF

900 + HOURS

## TYPICAL TECHNICAL PROPERTIES

### AMSOIL Synthetic Universal Automatic Transmission Fluid (ATF)

Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	6.8
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	33.5
Viscosity Index (ASTM D-2270)	168
Noack Volatility, % weight loss (ASTM D-5800)	10.2
Flash Point, °C (°F) (ASTM D-92)	222 (432)
Pour Point, °C (°F) (ASTM D-97)	-52 (-61)
Four Ball Wear Test, Scar in mm; 40 kg, 75°C, 1200 rpm, 1 hr (ASTM D-4172B)	0.40
Brookfield Viscosity (cP)	-20°C = 1298 -40°C = 9326

### APPLICATIONS

AMSOIL Synthetic Universal Automatic Transmission Fluid is completely compatible with other synthetic and petroleum automatic transmission fluids. AMSOIL ATF is a universal, multi-functional fluid that greatly reduces the need for specialized fluid inventories and the possibilities of misapplication.

AMSOIL ATF is recommended for transmission, hydraulic and other applications requiring any of the following specifications:

- GM DEXRON® II, III & VI
- Ford MERCON®, MERCON® V & SP
- Chrysler ATF+ through ATF+4®
- Honda Z1 (Not for use in CVT transmissions)
- Toyota Type T & T-IV
- Mitsubishi/Hyundai Diamond SP II & III
- Allison C-3, C-4
- Caterpillar TO-2
- Voith G607, G1363
- ZF TE-ML 14A, 14B, 14C
- Mercedes Benz 236.1, 236.2, 236.6, 236.7, 236.9
- BMW 7045E
- NAG 1 & 2
- JWS 3309
- LT 71141 (ESSO)
- Nissan Matic D, J & K
- Vickers I-286S & M-2950S

Excellent for power steering units that use ATF.

Not for use in CVT transmissions

### SERVICE LIFE

AMSOIL Synthetic Automatic Transmission Fluid is recommended for use up to 50,000 miles under severe service\* and up to 100,000 miles under normal service\* or according to the vehicle manufacturer recommended intervals, whichever is longer. AMSOIL recommends thoroughly draining the transmission and flushing with new AMSOIL ATF to achieve a minimum 90% purity of new transmission fluid. Drain intervals may be extended further with oil analysis.

*\*As defined by the vehicle or transmission manufacturer*

### 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). MSDS's are available upon request at 715-392-7101 or via the Internet at [www.AMSOIL.com](http://www.AMSOIL.com). **Keep Out of Reach of Children.** Don't pollute. Return used oil to collection centers.

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

