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DATA SHEET

Synthetic CVT Fluid



Continuously variable transmissions (CVTs) create unlimited gear ratios using a belt or chain running between two variable diameter pulleys. CVTs require a unique transmission fluid with specialized frictional characteristics designed to ensure the belt or chain remains in contact with the pulleys without slipping. AMSOIL 100% Synthetic CVT Fluid provides outstanding metal-to-metal frictional properties and excellent protection and performance. It is an affordable, Warranty Secure, high-performance alternative to vehicle manufacturer fluids.

Excellent Frictional Properties

CVTs rely on transmission fluid to prevent the belt or chain from slipping. AMSOIL 100% Synthetic CVT Fluid is a specialized formula with exceptional metal-to-metal frictional properties designed to prevent belt and chain slipping and help extend transmission life.

Outstanding Wear Protection

AMSOIL 100% Synthetic CVT Fluid is durable. It effectively resists wear to the transmission's vital parts, helping achieve long component life.

Resists Heat

AMSOIL 100% Synthetic CVT Fluid is built with a thermally stable formulation that guards against the harmful effects of thermal breakdown in elevated heat. It resists the formation of varnish that can threaten transmission performance and longevity.

Superior Wet-Clutch Performance

AMSOIL 100% Synthetic CVT Fluid provides superior wet-clutch performance for outstanding anti-shudder durability and reduced noise, vibration and harshness.

Field Proven

AMSOIL 100% Synthetic CVT Fluid was installed in four Las Vegas taxis and each was driven 100,000 miles. As shown in the belt photos to the right, AMSOIL CVT Fluid delivered outstanding protection in severe-service conditions.



TYPICAL TECHNICAL PROPERTIES
AMSOIL 100% Synthetic CVT Fluid (CVT)

Kinematic Viscosity @ 100°C, cSt (ASTM D445)	7.3
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	34.9
Viscosity Index (ASTM D2270)	183
Flash Point, °C (°F) (ASTM D92)	218 (424)
Fire Point, °C (°F) (ASTM D92)	238 (460)
Pour Point, °C (°F) (ASTM D97)	-46 (-50)
Brookfield Viscosity @ -40°C, cP (ASTM D2983)	9051
Foam Tendency (ASTM D892, Sequence I, II, III)	0/0, 10/0, 0/0

Lab Tested
AMSOIL lab testing reveals AMSOIL 100% Synthetic CVT Fluid provides exceptional wear and durability for CVT transmissions:

- In FZG wear testing (ASTM D5182) AMSOIL CVT Fluid surpassed a 12-stage pass.
- In the JASO LVFA Anti-Shudder Durability Test, AMSOIL CVT Fluid lasted six times longer, translating into improved anti-shudder durability and reduced noise, vibration and harshness.

APPLICATIONS
Use AMSOIL 100% Synthetic CVT Fluid in belt- and chain-type continuously variable transmissions that require any of the following specifications:

Audi/Volkswagen Multitronic, TL 525 16 (G 0520516), TL 521 80 (G 052 180); BMW EZL 799/32 22 0 136 376/83 22 0 429 154; Daihatsu Amix CVTF DFE, CVT Fluid DC and DFC, Fluid TC; Dodge/Jeep NS-2, CVT+4; Ford CVT23, CFT30, MERCON® C, WSS-M2C933-A, Motorcraft® XT-7-QCFT, WSD-M2C-199A; GM/Saturn DEX-CVT, GM1940713, 1940714, CVTF I-Green 2; Honda HMMF, HCF2, Z-1, CVT; Hyundai/Kia CVT-1, SP III; Mazda JWS 3320; Mercedes Benz CVT28, 236.20; Mini Cooper EZL/EZL 799A.ZF CVT V1; Mitsubishi DiaQueen CVTF-J1, CVTF-J4 and J4+, SP III, ECO J4; Nissan NS-1, NS-2, NS-2V, NS-3, N-CVT; Punch CVT; Renault ELFMATIC CVT; Shell Green 1V; Subaru Lineartronic CVT, CVT II, CVT III, K0425Y0710, K0425Y0711, K0421Y0700, CV-30, High Torque CVTF-LV; Suzuki TC, 3320, 4401, NS-2, Green 1 & 2, Green 1V; Toyota/Lexus TC, FE

SERVICE LIFE
AMSOIL 100% Synthetic CVT Fluid should be changed according to your vehicle manufacturer's recommendations.

WARRANTY SECURE™
AMSOIL 100% Synthetic CVT Fluid is Warranty Secure, keeping your factory warranty intact. It is a high-performance replacement for vehicle manufacturer-branded products and is also backed by the AMSOIL Limited Warranty. For details, visit AMSOIL.com/warrantysecure.

HEALTH AND 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 online at AMSOIL.com or upon request at 715-392-7101.
Keep Out of Reach of Children.

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