

G-Box CVT



Synthetic oil



Continuously Variable Transmission



Wear protection



Anti-oxidation stability



Low temperature properties

G-Box CVT – special synthetic gear oil designed for use in continuously variable transmissions of Japanese, American and European cars. Thanks to the use of a synthetic base, it has excellent resistance to oxidation and sediment formation, as well as wide application temperature range. The complex additive package ensures optimum friction pairs operation ("metal-metal" and "metal-non-metal"), reliable operation of gear parts and torque converters throughout the oil change interval.

Application



- Continuously Variable Transmissions of cars, off-road vehicles, minivans
- Not suitable for use in Extroid CVT, automatic transmission (AT), Dual-Clutch Transmission (DCT) and Hydraulic Power Steering

Advantages

Adaptive **G-Box CVT** technology based on synthetic components with the use of a modern additive package allows to provide high efficiency and productivity of automatic transmissions:

Characteristics	Benefits
High wear protection	Reduce the wear intensity of parts - extend the service life of the variator
High thermo-oxidative stability	Minimize oxidation and sediment formation in the system - reduce the probability of failure of the variator
High friction performance	Provides reliable friction - increased efficiency and reduced heating of the unit
Excellent viscous temperature performance	Optimum viscosity in a wide temperature range - reliable operation of units in harsh climatic conditions
Excellent pumping at low temperatures	Timely delivery of oil to all parts of the variator in winter conditions

Typical characteristics

Parameters	Value	Method
Kinematic viscosity, mm ² /s at 40 °C	37,0	ASTM D 455
at 100 °C	7,6	ASTM D 455
Viscosity index	180	ASTM D 2270
Open cup flash point, °C	213	ASTM D 92
Pour point, °C	-48	ASTM D 97
Dynamic viscosity -40 °C, mPas	15 000	ASTM D 2983
Density at 15 °C, kg/m ³	846	ASTM D 1298

Health, Safety, Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

Applicable, where required

- Audi Multitronic
- BMW Mini Cooper EZL 799/83 22 0 136 376/ 83 22 0 429 154
- Daihatsu Ammix CVT Fluid DC/ DFC
- Dodge/Chrysler/Jeep/Mopar CVT+4/ NS-2
- GM/Saturn DEX-CVT
- Honda HMMF/ Z-1
- Hyundai/Kia SP-III CVT model
- Hyundai/Kia CVT-J1
- Idemitsu CVTS-EX1
- Mazda JWS 3320
- Mitsubishi Diaqueen SP-III (CVT model only)
- Mitsubishi CVTF-J1
- Nissan NS-1/ NS-2
- Punch CVT
- Subaru ECVT/ iCVT/ iCVT FG
- Subaru Lineartronic chain CVT/CVT II Fluid, High Torque (HT) CVT Fluid
- Suzuki CVT Green 1 & 2 & 1V/ CVTF 3320/ CVTF TC/ NS-2
- Toyota CVTF TC
- VW/Audi TL 521 16 (G 052 516)/ TL 521 80 (G 052 180)

The CVT G-Box oil exceeds the requirements of current international standards according to tests:



CVT efficiency:

- CVT coefficient of performance (COP) maximization
- Metal-metal vapour friction coefficient 25% higher than reference oils (test LFW-1 JASO M358)

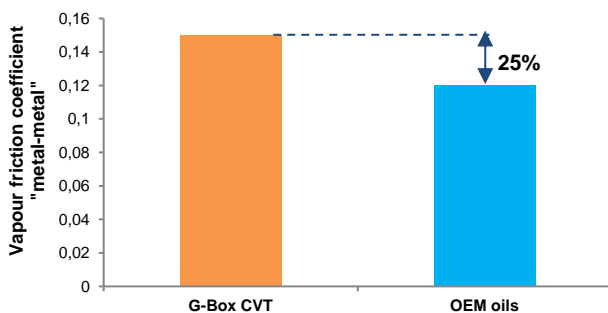
Wear protection:

- Durable oil film on the parts - 20% higher load-bearing capacity of oil film (test FZG ASTM D5182 A/8.3/150)
- Protection against mechanical destruction of metal parts of the CVT - pitting area is 2 times below the limit (test FZG ASTM D5182 C/9/90)
- Wear protection for CVT parts from different materials - wear of three-element disc is 17% below the limit (VSFT 3-Element Test)

Leak protection:

- Compatibility with various seal materials - impact on seal materials 2.9 times below the limit (test DIN ISO 1817)

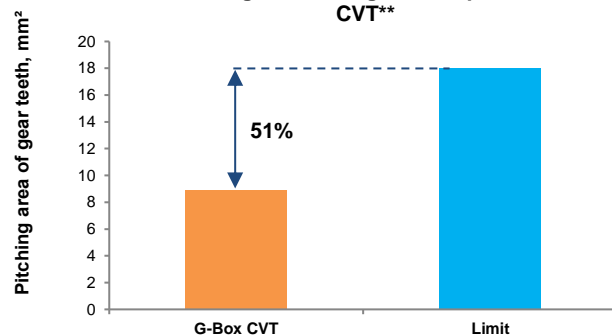
CVT performance*



G-Box CVT provides maximum efficiency of the CVT, reducing the chance of slipping the belt/chain through the pulleys

*test LFW-1 JASO M358; **Test FZG ASTM D5182 C/9/90

Protection against damage of components of the CVT**



The G-Box CVT protects parts from mechanical failure, reducing the probability of failure of the CVT

Certified

ISO 9001



ISO 14001



ISO 45001

