

DEXÖ ATF Mercon ULV (Ultra Low Viscosity)

Product Description

DEXÖ ATF Mercon ULV is a premium full-synthetic ultra-low viscosity transmission fluid designed to meet the stringent requirements of modern high-efficiency automatic transmissions. It provides:

- Smooth gear shifting
 - Enhanced fuel economy
 - Reduced friction and wear
 - Outstanding oxidation and thermal stability
- This fluid is specially formulated with high-quality synthetic base oils and advanced additive technology to meet the demands of GM, Ford, Toyota, Honda, Hyundai, and other Asian and American OEMs using ULV transmission designs.

Performance Benefits

- **Ultra-Low Viscosity:** Optimized for fuel efficiency and high-speed transmission systems, reducing pumping losses.
- **Superior Frictional Stability:** Delivers smooth, consistent shift performance over a wide range of temperatures.
- **Oxidation & Thermal Stability:** Maintains performance under severe driving conditions with excellent deposit control.
- **Excellent Wear Protection:** Extends transmission life through protection of clutches, gears, and bearings.
- **Extended Drain Intervals:** Supports longer service life and reduced maintenance cost (typically up to 100,000 km or more, per OEM).

Typical Properties

Property	Test Method	Value
Density @ 15°C	ASTM D4052	0.845 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	21 - 24 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D445	4.3 - 4.8 mm ² /s
Viscosity Index	ASTM D2270	≥180
Pour Point	ASTM D97	-50°C
Flash Point	ASTM D92	≥210°C
Brookfield Viscosity @ -40°C	ASTM D2983	≤12,000 cP
Color	ASTM D1500	Red
Oxidation Stability	ASTM D6186	Pass
Foam Test (Seq I/II/III)	ASTM D892	Pass

Application

- Designed for automatic transmissions requiring ULV-type fluids
- Suitable for use in:
 - GM vehicles requiring DEXRON ULV (10-speed Hydra-Matic)
 - Ford vehicles requiring MERCON ULV
 - Toyota WS, Honda DW-1, Hyundai/Kia SP-IV / SP-IV-RR
 - ZF 8HP/9HP ATF ULV-compatible designs
- Also applicable in vehicles with advanced start-stop and hybrid transmission systems

Meets and Exceeds

Meets or exceeds:

- GM DEXRON ULV
- Ford MERCON ULV
- Toyota WS (World Standard)
- Honda DW-1
- Hyundai SP-IV, SP-IV RR
- Aisin and ZF AT ULV standards

Backward compatible with some applications requiring low-viscosity ATFs where OEM allows

Storage and Handling

- Store in a covered, cool, and dry location.
- Avoid storage above 60°C or in freezing conditions.
- If stored outdoors, place drums horizontally to prevent water ingress.

Note: Not suitable for applications requiring MERCON® ULV, MERCON® V, MERCON® SP, Type F, or other specific ATFs.

