PRODUCT DATA SHEET

AWD-X

Premium Full Synthetic Fluid for All-Wheel Drive Systems and Hydraulic Clutch

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DESCRIPTION

TRIAX AWD-X is a fully synthetic all-wheel-drive (AWD) coupling fluid engineered for modern hydraulic pump-based AWD systems, including the Honda Dual Pump and Dual Pump II torque-transfer units used in Honda and Acura vehicles. The formulation leverages advanced friction modifiers and oxidation-resistant synthetic base oils to deliver smooth, precise torque engagement, exceptional anti-shudder durability, and long-term protection of the hydraulic pump, clutch packs, and control valves under sustained high-pressure operation. Designed for full-time AWD service across a wide ambient temperature range, the synthetic chemistry handles cold-weather startup, thermal stress, and high-shear duty cycles, prevents clutch chatter and slip, and maintains stable viscosity and friction performance over extended service intervals.

PERFORMANCE HIGHLIGHTS

- Up to 60,000 miles (96,000 km) normal-service drain interval; 30,000 miles (48,000 km) under severe service*
- **Cold flow to -48 °C (-55 °F)** with Brookfield viscosity **< 15,000 cP @ -40 °C** for instant cold-weather torque engagement without hydraulic lag
- **VI 185** maintains stable hydraulic pressure and torque transfer across the full operating temperature range, from cold starts through sustained high-load operation
- **Advanced friction modifiers** eliminate clutch chatter, shudder, and slip in hydraulic AWD couplings; smooth and quiet under all driving conditions
- **High shear stability** and resistance to thermal breakdown for sustained performance in extended-duty AWD systems
- **Superior corrosion and wear protection** for hydraulic pumps, clutch packs, and control valve components — extends service life of internal AWD coupling parts
- **Outperforms OEM hydraulic AWD fluids** in viscosity stability, oxidation resistance, and shudder durability under high-pressure operating conditions
- **Hydraulic AWD systems only** — not suitable for gear-driven transfer cases or differentials calling for gear oil or ATF

**Drain intervals represent maximum capability in mechanically sound systems with regular service. Severe service includes towing, frequent stop-and-go operation, extreme temperatures, off-road use, and continuous high-load driving. Always consult the vehicle owner's manual for OEM-recommended service intervals.*

SPECIFICATIONS & APPLICATIONS

TRIAX AWD-X is purpose-built for the Honda Dual Pump and Dual Pump II torque-transfer AWD systems found in Honda and Acura vehicles, and is suitable for other hydraulic pump-based AWD coupling units calling for a dedicated AWD clutch fluid (verify against vehicle owner's manual). Not for use in gear-driven transfer cases or differentials.

Suitable for the following applications and OEM systems:

- Honda Dual Pump AWD systems
- Honda Dual Pump II AWD systems
- Acura AWD models using hydraulic dual-pump torque-transfer units
- Other hydraulic pump-based AWD couplings (per OEM service manual)
- Hydraulic AWD torque-transfer units calling for a dedicated clutch fluid
- Full-time AWD systems requiring shudder-resistant friction modification
- Normal-service interval: up to 60,000 miles (96,000 km)
- Severe-service interval: 30,000 miles (48,000 km)
- Wide ambient temperature operation, -48 °C to sustained high temperature
- NOT for use in gear-driven transfer cases, differentials, or ATF applications

TYPICAL PROPERTIES

Parameter (Test Method)	Typical Value
Viscosity, Kinematic @ 40 °C, cSt (ASTM D445)	**38.50**
Viscosity, Kinematic @ 100 °C, cSt (ASTM D445)	**8.20**
Viscosity Index (ASTM D2270)	**185**
Flash Point, °C (°F) (ASTM D92)	**210 (410)**
Pour Point, °C (°F) (ASTM D97)	**-48 (-55)**
Density @ 15 °C, g/cm³ (ASTM D4052)	**0.855**
Brookfield Viscosity @ -40 °C, cP (ASTM D2983)	**< 15,000**
Color (Visual)	**Light Amber**

These are typical values. There may be small differences in actual values which are a normal part of production and do not affect product performance.

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