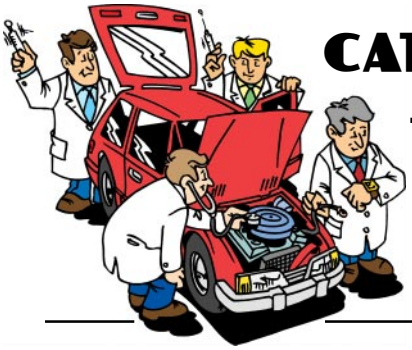

CAT Products, Inc

Technical Service Bulletin

Bulletin #: 0044
Manufacturer: All
Vehicle: All
Service: Transmission Service

Shift-Rite Platinum Improves ATF Characteristics, But Nothing Changes Organic to Synthetic

A number of questions have come up regarding using friction modifiers to convert Dexron/Mercon to replace some of the new ATFs on the market.

Many of the new transmission fluids are full synthetic fluids with thin viscosity to meet fuel economy standards, while handling the requirements of electronic controls and other advances in new transmission designs.

Shift-Rite's additive chemistry will improve most transmission fluids to meet the performance characteristics of newer fluids, as long as the base fluid does, too.

Service providers that choose to use ATF converters will need to use a base ATF that will meet the performance requirements of the transmission manufacturer. Remember, the converter is only about 0.04% of the total finished fluid. There's no additive available that can convert a quart of Dexron/Mercon into a thin-viscosity synthetic.

Many of these fluids are backward compatible, meaning that the new synthetics can replace the older fluids. It just doesn't work the other way around. By using a synthetic base or fully formulated multi-vehicle synthetic fluid, you are providing the consumer with a legitimate replacement for the ATF that will perform and protect as designed.

If the incorrect fluid is used, the transmission could suffer from excessive clutch wear, gear wear, shifting problems, and other issues. In addition, if the viscosity is incorrect, the ATF pump might not be able to regulate fluid flow properly, causing fluid starvation in the transmission.

A driver could notice shudder, slow shifting, slow acceleration, slipping, and ultimately transmission failure.

So, in general, Shift-Rite's Premium Synthetic fluid will work just fine in older transmissions that require earlier, organic based fluids. But never try to use the older fluids in today's newer transmissions.

Run-Rite