



CAT Products, Inc

Technical Service Bulletin

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Manufacturer: All
Vehicle: All
Service: Transmission Service

Trans Kleen Safe for All Transmissions

Shift-Rite Trans Kleen has been tested according to the ASTM D-471 test method to determine compatibility with commonly used gasket and seal materials. The results show that Trans Kleen is safe for all transmissions on the market today.

Here's how the ASTM D-471 test works: Various gasket materials are placed in an undiluted sample of Trans Kleen for 72 hours at 158°F. The material is measured and tested for hardness before and after exposure to the detergent.

By their very design, gaskets must expand to prevent leaks. The concern would be, if a product caused excessive swelling or hardening, a leak could occur. Normal swelling would be in the 20-40% range. Abnormal swelling would be in the 100-150% range.

Hardness is measured with either a negative or positive number. A negative number indicates that the seal or gasket is less hard than before, again a normal reaction for a seal. If the number is positive, the product is hardening the seal, which again could result in a leak.

In addition to testing common automotive gasket and seal materials, we also tested Shift-Rite Trans Kleen with samples of EPDM. EPDM is very susceptible to swelling and is not used in gaskets or seals for that reason.

Yet the results with EPDM are still within proper specifications: Shift-Rite Trans Kleen had no adverse effects on the swelling or hardness of EPDM.

Shift-Rite Trans Kleen is safe to use as directed in all automotive transmission applications.

