

AUTOMATIC TRANSMISSION FLUID

# National™ Multi-Vehicle/MERCON® V ATF



## Automatic Transmission Fluid

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### New performance requirements

The desire for fuel economy is rapidly driving changes in the automatic transmission designs for a growing number of late model vehicles being sold in the U.S.

Global OEMs are increasing the number of gears in newer transmissions from four or five, to six or as many as eight. Many of these newer models are designed to engage the torque converter clutch in a slipping mode at lower speeds to improve fuel efficiency. This operation causes newer transmissions to be more prone to shudder. Standard DIIIIH/M fluids do not provide the friction control to meet these demands.

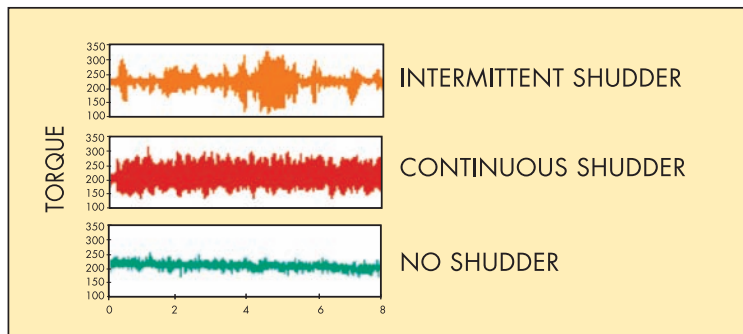
To ensure optimum transmission performance, OEMs are demanding more specialized fluids. Today, there are literally dozens of ATF types specified for the North American service fill market, creating confusion, increased inventory costs, and opportunities for error or misapplication.

National Multi-Vehicle/MERCON® V ATF is specially formulated to exceed the performance and protection requirements of newer transmissions. Installers can rely on this single fluid to conveniently and accurately meet a wide array of global OEM requirements in North America.

### Extended Anti-Shudder Protection

Newer transmission designs require ATFs with specialized frictional performance for proper operation. It is estimated that the number of transmissions requiring anti-shudder durability has doubled in the past four years.

National Multi-Vehicle/MERCON® V ATF offers extended friction control protection that lasts over the life of the fluid—long after the anti-shudder protection found in many competitive brands has broken down.



Shudder is disturbing to drivers, who expect comfort and smooth driving. National Multi-Vehicle/MERCON® V ATF reduces transmission shudder, and improves operability and fuel efficiency.

### Outstanding Benefits

- Exceeds the most demanding JASO 1A performance standard
- Covers OEM specialty requirements
- Delivers superior wear protection
- Provides extended anti-shudder performance for smooth driving
- Lowers inventory needs
- Reduces risk of installer error

### Specifications National Multi-Vehicle/MERCON® V ATF technology is suitable where the following ATF types are specified:

- |                           |                        |                      |                         |
|---------------------------|------------------------|----------------------|-------------------------|
| • Allison C4              | • Honda ATF-Z1         | • Nissan Matic K     | • Texaco N402           |
| • Audi Part #G 052 025-A2 | • Idemitsu K17         | • Shell LA2634       | • Toyota JWS 3309       |
| • Chrysler                | • MERCON® V            | • Shell ATF M-1375.4 | • Toyota Type T IV      |
| • DIIIIH/M                | • Mitsubishi SP-II/III | • Texaco 7045-E      | • Toyota Type WS        |
| • Esso Type LT 71141 ATF  | • Nissan Matic J       | • Texaco ETL-8072 B  | • Volvo Part #1161540-8 |

Note: For Continuously Variable Transmission (CVT) applications, use only CVT fluids supplied by the vehicle manufacturer.

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