

Automatic Transmission Fluids Procedures

For DEXRON® III

- ◆ Color
- ◆ Elemental Analysis
- ◆ Infrared Spectrum
- ◆ Miscibility
- ◆ Viscosity
- ◆ Flash Point
- ◆ Fire Point
- ◆ Low-Temperature Fluidity
- ◆ Copper Strip Procedure
- ◆ Noncorrosion and Nonrusting
- ◆ Rust Protection
- ◆ Vane Pump Wear Procedure
- ◆ Foam Procedure
- ◆ Fluid Effect on Seals – Comp. A
- ◆ Fluid Effect on Seals – Comp. B
- ◆ Fluid Effect on Seals – Comp. C
- ◆ Fluid Effect on Seals – Comp. H
- ◆ Fluid Effect on Seals – Comp. J
- ◆ Fluid Effect on Seals – Comp. R
- ◆ Plate Clutch Procedure
- ◆ Band Clutch Procedure
- ◆ Oxidation Procedure
- ◆ Cycling Procedure
- ◆ Vehicle Performance Procedure
- ◆ ECCC Vehicle Procedure
- ◆ Sprag Clutch Overrunning Wear Procedure

For MERCON®

- ◆ Miscibility
- ◆ Viscosity
- ◆ Noack Volatility Procedure
- ◆ Flash Point
- ◆ Copper Strip Procedure
- ◆ Noncorrosion and Nonrusting
- ◆ Vane Pump Wear Procedure
- ◆ Color
- ◆ Friction Durability
- ◆ Anti-Foaming Properties
- ◆ Elastomer Compatibility
- ◆ Aluminum Beaker Oxidation Procedure
- ◆ Cycling Procedure
- ◆ Shift Feel

For MERCON® V

- ◆ Miscibility
- ◆ Viscosity
- ◆ Noack Volatility Procedure
- ◆ Flash Point
- ◆ Copper Strip Procedure
- ◆ Noncorrosion and Nonrusting
- ◆ Vane Pump Wear Procedure
- ◆ Color
- ◆ Anti-Shudder Durability
- ◆ Wear Procedure
- ◆ Friction Durability
- ◆ Anti-Foaming Properties
- ◆ Elastomer Compatibility
- ◆ Aluminum Beaker Oxidation Procedure
- ◆ Cycling Procedure
- ◆ Shift Feel

For Caterpillar TO-4

- ◆ Rust Control
- ◆ Copper Corrosion
- ◆ Fluid Compatibility
- ◆ Homogeneity
- ◆ Foaming
- ◆ Flash Point
- ◆ Fluoroelastomer
- ◆ Seals, O-Rings, and Other Elastomeric Materials
- ◆ Oxidation Stability
- ◆ Viscosity
- ◆ Gears
- ◆ Pump Anti-Wear Performance
- ◆ Fluoroelastomer, Bronze, Paper Friction Material
- ◆ Vickers Pump Wear Procedure
- ◆ Specialized ATF Evaluations

For Allison C-4

- ◆ Chemical Analysis
- ◆ Viscosity Characteristics
- ◆ Physical Properties
- ◆ Anti-Foaming Properties
- ◆ Copper Strip Procedure
- ◆ Noncorrosion and Nonrusting
- ◆ Oxidation Procedure
- ◆ Elastomer Seals Compatibility – Nitrile
- ◆ Elastomer Seals Compatibility – Fluoroelastomer
- ◆ Elastomer Seals Compatibility – Ethylene Acrylate
- ◆ Elastomer Seals Compatibility – Polyacrylate
- ◆ Elastomer Seals Compatibility – Silicone
- ◆ Rust Protection
- ◆ Friction Retention Procedure – Graphite
- ◆ Friction Retention Procedure – Paper

Miscellaneous Tests

- ◆ **JASO T904:2006**