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## Automatic Transmission Fluid

### TECHNICAL DATA SHEET

#### Product Description

ALES ATF PLUS is a high-performance automatic transmission oil, formulated with high-quality fully synthetic base stocks and a sophisticated additive system that includes high shear-stable viscosity index improvers, antioxidants, and defoamers. This formulation provides smooth and controlled friction and wear characteristics, meets or exceeds the stringent requirements of GM's DEXRON-VI specification, and offers protection for 2006 and newer GM vehicles. It also delivers improved performance in older GM vehicles where DEXRON is specified. Suitable for all automatic transmissions in passenger cars and commercial vehicles, it can also be used in applications such as power steering systems, hydraulics, and some manual transmissions where automatic transmission fluid is specified.

#### Features & Benefits

- Optimized frictional properties that provide smooth fuel-efficient gear shifting during low temperature operation and help prevent transmission vibration.
- Excellent shear stable viscosity index improvers resist easy break down under high shear conditions in transmissions, thus ensuring the oil film thickness to continue protecting the moving components.
- Outstanding low temperature pumpability and circulation, to ensure excellent cold start performance.
- Excellent oxidation & thermal stability prevents sludge formation, deposit build up & oil thickening.

#### Specifications

**ALES ATF PLUS meets or exceeds following International and Builder specifications:**

- General Motors DEXRON-VI
- JASO 1A-LV
- Ford Mercon LV
- Toyota T-WS (JWS 3324)
- Hyundai / Kia SP-IV
- Nissan Matic S
- ZF M-1375.4 (6HP)
- Honda ATF DW-1
- MB 236.12 & 236.14
- ZF TE-ML 09X and all 3 & 4 speed transmission
- Vickers M2950-S, I-286-S
- Volvo CE 97340
- CAT TO-2
- Hyundai NWS-9638
- Chrysler ATF+, +2, +3 (MS 7176E), +4 (MS 9602)
- Audi 5 HP LT71141 (ZF 5 HP 18FL/19FL/24A)
- Acura ATF-Z1
- Aisin Warner JWS 3309 (T-IV) & JWS 3324 (WS)
- Allison C-3 & C-4
- Porsche T-IV (JWS 3309)
- Mitsubishi Diaqueen SP-IV
- MB 236.1/236.9

## Application

**ALES ATF PLUS** is suitable for use in following:

- Suitable for use in all old & new automatic transmissions of car & light trucks and On-highway & Off highway heavy duty automatic transmissions.
- Suitable for power steering and certain manual transmissions where this type of fluids (Dexron or Mercon fluids) are specified.

## Typical Characteristics

<b>ALES ATF PLUS</b>	<b>Test Method</b>	<b>Units</b>	<b>Dexron VI</b>
Color	Visual	-	Red
Density @ 15 °C	ASTM D 4052	gm/cc	0.850
Viscosity @ 100 °C	ASTM D 445	cSt	6.05
Viscosity @ 40 °C	ASTM D 445	cSt	30.5
Viscosity Index	ASTM D 2270	-	150
Pour Point	ASTM D 97	°C	-51
Flash Point (COC)	ASTM D 92	°C	215
Brookfield Viscosity @-40°C	ASTM D 2983	cP	12,000

*The above figures are typical of blends with normal production tolerance and do not constitute a specification.*

For further information, please contact: [www.alesoil.com](http://www.alesoil.com)