

## *Low Viscosity, Synthetic ATF*



### *Product Description*

**PennGrade Low Viscosity, Synthetic ATF** is a low viscosity, fully synthetic, automatic transmission fluid that supports performance requirements of today's newer automatic transmissions, including General Motors, Honda, Hyundai, Ford, Kia, Mitsubishi, Nissan, Saab, Toyota, Volkswagen and others. **PennGrade Low Viscosity, Synthetic ATF** is suitable for severe service applications (up to 50,000 miles) and for extended drain intervals in normal service applications (up to 100,000 miles). It offers excellent corrosion resistance to all types of metals used in transmissions, plus provides superior friction retention and thermal and oxidation stability. **PennGrade Low Viscosity, Synthetic ATF** can be used in a broad variety of multi-vehicle applications found in on- and off-highway service as well as marine and industrial applications.

### *Features and Benefits*

- Friction modifiers control lock-up rates of clutch packs for proper transmission shifting characteristics and efficient power transfer.
- Controls seal deterioration to limit fluid leakage.
- Specially formulated for extra wear control and rust protection for longer equipment life.
- Special detergent/dispersant additives limit formation of sludge and varnish deposits which interfere with proper transmission operation.
- Multigrade for optimum performance during cold starts and high temperature operations, including start/stop severe service.
- Formulated to be compatible with metallurgy used in most modern transmissions.
- Provides efficient heat removal from clutch surfaces to extend clutch life and reduce clutch shudder in modulated torque converters.
- Full synthetic for longer fluid life and faster oil flow in low temperature operation.

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## Low Viscosity, Synthetic ATF



### Typical Applications

Aisin Warner AW-1  
Dexron VI  
Ford Mercon LV  
Ford Mercon SP  
GM  
Honda DW-1  
Hyundai/Kia NWS-9638  
Hyundai/Kia SP-IV  
Hyundai/Kia SPH-IV  
Hyundai/Kia SP-IVRR  
JASO 1-A-LV  
JWS 3324

Kia NWS-9638  
Mitsubishi ATF J-2  
Mitsubishi SP-IV  
Nissan Matic-S  
Saab 93 165 147  
Toyota WS (JWS 3324)  
Volvo AT102 (P/N 97342)  
Volvo 97342  
VW G-055-540

Dexron is a trademark of General Motors Inc.  
Mercon is a trademark of the Ford Motor Company.

NOTE: ATF recommendations may vary between models from a manufacturer.  
Please consult the owners manual for the correct fluid recommendations.

### Typical Properties

PennGrade Low Viscosity Synthetic ATF Typical Properties		
Viscosity		
@ 100°C, cSt	ASTM D445	5.8
@ 40°C, cSt	ASTM D445	28.4
Viscosity Index	ASTM D2270	155
Brookfield Viscosity, cPs @ -40°C	ASTM D2983	9,900
Flash Point, °F (°C)	ASTM D92	380 (193)
Pour Point, °F (°C)	ASTM D97	-52 (-46)
API Gravity @ 60°F	ASTM D287	33.9

Bag in a Box Product Part No.	6 US Gal	54585
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