

# PennGrade® Automatic Transmission Fluid



## Product Description

**PennGrade® ATF** is an automatic transmission fluid (ATF) that meets on-highway performance requirements for Dexron® III H, Allison Type C-4 and Ford Mercon®. It offers excellent corrosion resistance to all types of metals used in transmissions and hydraulic systems, plus provides superior friction retention and thermal and oxidation stability. **PennGrade® 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.

## Product 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.

Specifically 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.

Multi-grade for optimum performance during cold starts and high temperature operations.

Formulated to be compatible with the metallurgy used in most modern transmissions and high-pressure hydraulic systems.

Provides excellent anti-wear protection for hydraulic pumps and power steering systems.



## Typical Applications

Dexron® III H  
Dexron® III G  
Dexron® II D  
Allison C-4  
Allison TES 389B <sup>1</sup>  
Domestic and imported passenger cars  
and light trucks

GMC  
Ford Mercon®  
Type A Suffix A (TASA)  
Mercedes Benz in North America  
Voith  
Volvo 37325

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| Dexron® is a trademark of General Motors Inc.<br>Mercon® is a trademark of the Ford Motor Company |
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**PennGrade® ATF** does NOT meet Dexron® VI, Mercon® LV, Mercon® SP or Mercon® V requirements.

<sup>1</sup>The ability of D-A to claim suitable for use for any specification does not imply that these products are sponsored, approved, licensed or affiliated with Allison Transmission. This claim states that through testing we have determined that PennGrade® ATF meets the known performance requirements of the TES 389B® specification.

NOTE: ATF recommendations may vary between models from manufacturer. Please consult the owner's manual for the correct fluid recommendations.

## Typical Properties

| PennGrade® ATF            | Test Method |           |
|---------------------------|-------------|-----------|
| Viscosity<br>@ 100°C, cSt | ASTM D445   | 7.16      |
| @ 40°C, cSt               | ASTM D445   | 32.7      |
| Viscosity Index           | ASTM D2270  | 191       |
| Pour Point, °F (°C)       | ASTM D97    | -40 (-40) |
| Flash Point, °F (°C)      | ASTM D92    | 395 (202) |
| API Gravity               | ASTM D4052  | 33.8      |

### D-A Part Number:

Bag-in-a-box

54505

