



## HD Synthetic Transmission Fluid

Bel-Ray® HD Synthetic Transmission Fluid is a premium automatic transmission fluid formulated with select synthetic base stocks and next-generation additive technology. Bel-Ray® HD Synthetic Transmission Fluid is specifically designed and recommended for use in heavy-duty automatic transmissions in trucks and buses requiring Allison TES-295 fluid for extended warranty service. It is also recommended for use in transmissions requiring Allison C-4 and Allison TES-389 specifications and exceeds extended drain requirements of Voith and ZF transmissions. Bel-Ray® HD Synthetic Transmission Fluid also exceeds performance requirements of demanding automotive applications such as taxi cabs, police cars, delivery trucks, recreational vehicles and tow-trucks and provides added protection, extended service intervals and extends the service life of critical transmission components.

### VEHICLE BENEFITS

- Extended drain protection
- Excellent frictional properties for smooth shifting
- Excellent anti-shudder performance
- Superior anti-wear protection for critical transmission components
- Protection against transmission varnish and sludge formation
- Superior thermal stability and oxidation resistance
- Outstanding low-temperature performance

### PRODUCT FEATURES

- Formulated with premium synthetic base stocks for maximum resistance to thermal breakdown
- Provides active anti-wear agents to protect critical transmission components
- Delivers maximum resistance to fluid oxidation in severe operating conditions, including stop-and-go driving
- Advanced friction modifiers provide smooth shifting performance

### APPLICATIONS

Bel-Ray® HD Synthetic Transmission Fluid is suitable for use in the following applications, based on extensive testing:

- Allison on-highway transmissions for extended drain applications
- Exceeds extended drain requirements for Voith and ZF transmissions
- JASO M315-2013 1-A
- FCA (Chrysler ASRC, ATF+4)
- Ford (FNR5, MERCON®, MERCON®-V)
- GM (DEXRON®-II, DEXRON®-III)
- Hyundai (ATF RED-1K, SP-III)
- Isuzu (Genuine ATF)
- Jaguar (K17)
- Kia (SP-III)
- Land Rover (AW-1, N402)
- Mazda (ATF M-V)
- Mitsubishi (ATF-J2, SP-III)
- Nissan (Fluid A , Matic D, Matic J, Matic K)
- Saab (ATF AP)
- Subaru (ATF HP, P/N K0140Y0700)
- Suzuki (Matic D, Matic J)
- Toyota (JWS 3309, Type T, T-III, T-IV)
- VW (G 052 025)
- **NOT** recommended for DEXRON® VI, MERCON® SP & LV, Ford ATF Type F or CVT applications

### Bel-Ray® HD Synthetic Transmission Fluid

#### Typical Physical Properties

Property	Test Method	
API Gravity @ 60°F	ASTM D4052	34.7
Density@15°C, g/cm <sup>3</sup>	ASTM D4052	0.8509
Viscosity @ 40°C, cSt	ASTM D445	31.62
Viscosity @ 100°C, cSt	ASTM D445	7.2
Viscosity Index	ASTM D2270	203
Flash Point, °C (°F)	ASTM D92	150 (302)
Pour Point, °C (°F)	ASTM D97	-48 (-54)
Pounds Per Gallon	ASTM D1250	7.089

*Minor variations in typical physical properties may occur from normal manufacturing processes*

#### DISTRIBUTED BY:

Calumet Branded Products, LLC  
 2780 Waterfront Pkwy. E. Dr., Suite 200  
 Indianapolis, IN 46214  
 Technical Services: 317-328-5660  
 www.belray.com

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