



Product Data Sheet

Synthetic HD-295 Automatic Transmission Fluid

DESCRIPTION

Nemco Synthetic HD-295 Automatic Transmission Fluid is a specially designed automatic transmission fluid for newer Allison heavy duty vehicles which need TES295 and TES389 certified transmission oils. Synthetic HD-295 provides maximum protection in heavy duty automatic and power shift transmissions for trucks, buses and other commercial equipment operating under severe and extended drain conditions. Blended with carefully selected synthetic base oils and an advanced specialized performance additive system, Nemco Synthetic HD-295 ensures excellent wide temperature range performance providing superior oxidation resistance, wear protection and smooth power transfer during shift cycles under both normal and extended drain operating conditions. It is compatible with mineral oil automatic transmission fluids and transmission seal materials.

Advantages

- **Extended drain and filter life:** Reduces operating cost and used oil disposal, meets Allison's OEM extended drain recommendation TES 295 & TES 389 specifications.
- **Stable Frictional Properties:** Outstanding frictional characteristics provide smooth shifting and excellent retention of shift quality and fuel economy throughout the service interval.
- **Wear Protection:** Shear stability, viscosity retention and increased film strength reduce wear on gears, bearings, and clutches to give longer transmission life.
- **High Temperature Protection:** Excellent thermal, oxidation, sludge, corrosion, and deposit protection from the increased transmission temperatures, severe service, and extended drains.
- **Cold Temperature Fluidity:** Superior cold temperature flow characteristics assures ease of pumping, reduced wear and good shifting capabilities even at extremely low temperatures.

Applications

- On/Off Highway Trucks and Equipment
- Highway, City, and School Buses
- Commercial Vehicles, Vans,
- Emergency Vehicles
- Motor Homes
- Refuse Trucks
- Agriculture Equipment



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Meets and/or exceeds

- Allison TES 295, TES 389, C-4
- ZF Transmissions
- Voith Transmissions
- GM Dexron® III, II
- Ford Mercon®, Mercon® V

Typical Characteristics – ATF Synthetic HD-295

TEST	PERFORMANCE
Density, kg/L @ 15 °C	.8443 - .8649
Colour	Red
Viscosity cSt at 40°C cSt at 100°C	32.9 7.5
Viscosity index	200
Brookfield Viscosity, cP @ -40°C	8,200
CCS, cP at -35 °C	3,000
Pour point °C (°F)	-51 (-60)
Flash point °C (°F) Closed Cup	177 (351)

Physical characteristics shown in the table are typical and may vary slightly.