



THE
**GOOD
STUFF**

SHP® Heavy Duty ATF

Kendall® SHP Heavy Duty ATF is a full-synthetic, heavy-duty automatic transmission fluid designed for use in truck and bus transmissions operating under severe service conditions or in extended drain intervals. It is particularly recommended by Phillips 66 Company for use in applications where the OEM specifies a fluid providing performance capability comparable to the Allison on-highway extended drain specification.

SHP Heavy Duty ATF has excellent shear stability and high load-carrying ability to protect against viscosity breakdown and wear. It has excellent oxidation resistance and thermal stability to minimize the formation of sludge and varnish, and excellent friction durability to ensure smooth shifting and proper transmission performance for the life of the fluid. It also has outstanding low-temperature properties for year-round use, and protects against rust and corrosion.

SHP Heavy Duty ATF can provide extended drains up to 4 times the normal interval for a conventional all-mineral automatic transmission fluid. It was field-tested for over 100,000 miles in a fleet of city transit buses operating in severe stop-and-go service. During this test, it provided outstanding protection against wear, glazing and sludge and deposit formation, while maintaining excellent shift quality throughout the duration of the field test.

Applications

- Heavy-duty automatic transmissions in trucks and buses in extended drain or severe service, such as in intracity transit buses, intercity tour coaches, school buses, emergency vehicles, recreational vehicles, refuse vehicles and commercial utility vehicles

SHP Heavy Duty ATF is OEM-approved for service fill in:

- Allison automatic transmissions in off-highway applications where a C-4 fluid is specified (approval no. C4-32612008)

SHP Heavy Duty ATF is recommended for service fill in:

- Allison automatic transmissions in on-highway applications where an extended drain fluid is specified
- Voith DIWA transmissions
- ZF Ecomat transmissions

Note: *SHP Heavy Duty ATF is not OEM-approved by Allison under their extended drain specification, nor is it OEM-approved by Voith or ZF. Recommendations are based on demonstrated field test performance and testing against Allison C-4, Ford MERCON®V and GM DEXRON®-IIIH transmission fluid specification requirements.*

**Premium
Synthetic, Heavy-
Duty, Extended
Drain Automatic
Transmission
Fluid**



Features/Benefits

- Excellent friction durability for smooth shifting throughout the service interval
- Outstanding oxidation resistance and thermal stability for long fluid life
- Protects against sludge and varnish formation
- Protects against wear
- High shear stability
- Protects against rust and corrosion
- Outstanding low-temperature properties for easier shifting in cold weather
- Good seal compatibility
- Good foam resistance

SHP[®] Heavy Duty ATF

Typical Properties	
Specific Gravity @ 60°F	0.846
Density, lbs/gal @ 60°F	7.04
Color, Visual	Red
Flash Point (COC), °C (°F)	230 (446)
Pour Point, °C (°F)	-55 (-67)
Viscosity, Brookfield	
cP @ -40°C	7,000
Viscosity, Kinematic	
cSt @ 40°C	34.0
cSt @ 100°C	7.4
Viscosity Index	193
Zinc, wt %	<0.003

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <http://www.phillips66.com/SDS>

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Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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