



**YOU GET OUT  
WHAT YOU  
PUT IN.** 

## **SHP® 668 ATF**

Kendall® SHP 668 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 recommended by Phillips 66® for use in applications where the OEM specifies a fully approved Allison TES-668 fluid.

SHP 668 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. SHP 668 ATF has outstanding low-temperature properties for year-round use, and protects against rust and corrosion.

### **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 668 ATF is OEM-approved for service fill in:

- Allison automatic transmissions where a TES-668 approved fluid is specified (Approval No. 668-10192021)

### **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 maintains fluid integrity across the service interval
- Protects against rust and corrosion
- Outstanding low-temperature properties for easier shifting in cold weather
- Good seal compatibility and foam resistance
- Back-serviceable to Allison TES-295 applications and earlier

**Allison TES-  
668 Approved  
Premium  
Synthetic, Heavy-  
Duty, Automatic  
Transmission  
Fluid**



## SHP<sup>®</sup> 668 ATF

Typical Properties	
Specific Gravity @ 60°F	0.85
Density, lbs/gal @ 60°F	7.10
Color, Visual	Red
Flash Point (COC), °C (°F)	210 (410)
Pour Point, °C (°F)	-51 (-60)
Viscosity, Brookfield	
cP @ -40°C	11,160
Viscosity, Kinematic	
cSt @ 40°C	33.7
cSt @ 100°C	6.9
Viscosity Index	171
Zinc, wt %	<0.0001

## Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via <https://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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