



Valvoline™ SYNGARD™ Transmission Fluid E-386

Valvoline™ SYNGARD™ Transmission Fluid E-386 is selectively engineered to meet Eaton specification PS-386 for both heavy duty manual and automated manual transmissions. The product is approved for use wherever Eaton PS-386 fluid is required and is fully backward compatible for transmissions using PS-164 Revision 7 fluids. Using premium synthetic base stocks and high quality additives, this lower viscosity fluid offers improved efficiency while protecting the gears and components of Eaton manual and automated transmissions. For customers who have previously been using Valvoline™ Heavy Duty Synthetic Transmission Fluid SAE 50 , it is worth noting that the two products can be safely inter-mixed and used for top-off.

Automated Manual Transmissions (AMT's)

Automated manual transmissions (AMT's) are becoming more popular and are available through multiple truck manufacturers. An AMT is fundamentally a manual transmission that retains its gear efficiency while allowing the shifting and clutch actuation to be controlled by the onboard computer system. This configuration keeps the engine in its most efficient RPM range while the driver experiences the ease of an automatic transmission. Additionally, fleets often experience more consistent efficiency from driver to driver, as compared to manual transmissions.

Eaton has partnered with multiple engine manufactures to provide a complete integrated solution where the control systems of the engine and transmission work together. These include:

- SmartAdvantage™ Powertrain** - the Cummins ISX12 or ISX15 with SmartTorque2 (ST2) and Fuller Advantage Series Automated (FASA)10-Speed Transmission
- PACCAR MX-13/FullerAdvantage® Series** - The PACCAR MX-13 engine and Fuller Advantage Series Automated10-Speed Transmission.
- Navistar N13/Fuller Advantage Series** - Part of the PROSTAR® ES series

Transmission	Eaton Drain Interval Recommendations		
	Line Haul	Vocational/Bus	Stationary
Automated Heavy-Duty (UltraShift® PLUS) (Fuller Advantage®)	500,000 miles or 10 years	180,000 miles or 3 years	2,000 hours or 5 years
Manual Transmission (Fuller Advantage®) (FRW Models)			
Manual Transmission Heavy-Duty			



Features and Benefits of SYNGARD™ Transmission Fluid E-386

- Specifically designed for optimum performance in Eaton Transmissions.
- Supersedes and is fully compatible with Eaton PS-164 revision 7 fluids.
- Designed and approved for Eaton Manual and Automated Manual Transmissions such as Fuller Advantage, UltraShift PLUS, FR and RT Series.
- Supports up to 500,000 mile drain intervals in Eaton transmissions.
- Approved for API MT-1 (others pending).
- Improves efficiency of the transmission system by reducing energy loss to moving fluids and components compared to using a PS-164 Revision 7 fluid.
- High viscosity index provides superior high and low temperature performance.
- Designed for excellent shear stability as well as gear and bearing protection.
- Longer seal life due to fewer deposits and improved seal compatibility.
- Excellent thermal and oxidation stability to resist deposits and sludge formation.
- Advanced additive system provides excellent protection from corrosion, foaming, rust, and wear.

Summary: An Approved Lubricant to Eaton PS-386

Approved lubricants must not only meet rigorous test criteria set by the component manufacturer but they must also be recognized as such. With the increase in AMT's and a move towards lower viscosities, Valvoline has the products to meet all Eaton transmission requirements. The new Valvoline™ SYNGARD™ Transmission Fluid E-386 and our Synthetic Transmission Fluid SAE 50 are fully compatible with each other and can be used to top-off the other without impacting warranty.

Valvoline Part Numbers:

55 Gallon Drum	866485
16 Gallon Keg	866496
5 Gallon Pail	866495