

# Product Information

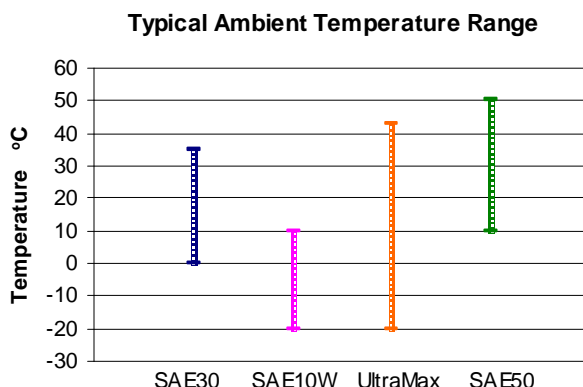
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## Valvoline™ UltraMax™ Transmission Drive Train Oil TO-4M

Valvoline™ UltraMax™ Transmission Drive Train Oil TO-4M is a multipurpose heavy duty powershift transmission and drive train lubricant designed and recommended for applications meeting the performance requirements of the Caterpillar TO-4 and TO-4M specifications, Allison C-4 specification and Komatsu specification. It also meets the requirements of ZF TE-ML03 for use in ZF torque converter transmissions in city buses, off-road machines, lift trucks, specialty vehicles and other such equipment. It can be used in power-shift transmissions, wet brakes, most final drives and hydraulic compartments where the Caterpillar TO-4M specification is called for. Valvoline™ UltraMax™ Transmission Drive Train Oil TO-4M is recommended for use where CAT TDTO TMS is recommended.

The oil is formulated from a blend of synthetic and premium mineral base stocks and a select additive system to meet the challenging demands of modern equipment and is proven under real world field conditions. Valvoline™ UltraMax™ Transmission Drive Train Oil TO-4M is a multiviscosity product with much improved performance over a wider ambient temperature range. It provides both excellent high temperature film thickness and low temperature pumpability for wear protection under severe loading conditions. It also provides excellent friction material and elastomer compatibility, while guarding against gear wear, rust and corrosion, foaming and oxidation. Valvoline™ UltraMax™ Transmission Drive Train Oil TO-4M provides efficient transmission performance in low temperature conditions and longevity of transmission components.



Valvoline™ UltraMax™ Transmission Drive Train Fluid TO-4M is designed for transmissions and drive trains only and should not be used as engine oil.

Typical Properties	
Gravity, degree API	30.9
Viscosity @ 40°C (cSt)	114.8
Viscosity @ 100°C (cSt)	14.6
Viscosity Index	131
Pour Point (°C)	-39
Flash COC (°C)	233
Zn, %wt	0.126

Part Number	
Bulk	783768
55 Gallon Drum	786016
5 Gallon Pail	791886

Refer To Valvoline's Material Safety Data Sheet for health and safety instructions.

This information only applies to products manufactured in the following location(s): USA. Canada

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Pages	Code
11/01/2011	none	5/23/2011	KD	1	1102

**ASHLAND**