



## TRANSMISSION DRIVE TRAIN OIL TO-4M

### Product Description & Benefits

Boss Synthetic Blend Transmission Drive Train Oil TO-4M is a multi viscosity heavy-duty power-shift 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 micro-clutch all grades specification. It can be used in power-shift transmissions, wet breaks, most final drives and hydraulic compartments where the Caterpillar TO-4M specification is called for.

This oil is formulated from premium base stocks and a specific additive technology to meet the challenging demands of modern equipment. Boss Synthetic Blend Transmission Drive Train Oil TO-4M is a multi viscosity product with outstanding performance over a wide ambient temperature range. It provides both excellent high temperature film thickness and low temperature pump ability for wear protection under severe loading conditions. It also provides excellent friction material and elastomer compatibility, while guarding against gear wear, rust and corrosion and foaming and oxidation. It also provides efficient transmission performance in low temperature conditions and longevity of transmission components.

Boss Synthetic Blend Transmission Drive Train Oil TO-4M is designed for transmission and drive trains only and should NOT be used as engine oil.

### PROPERTIES

Specific Gravity	0.872
Viscosity (cSt)	
@ 40°C	104.8
@ 100°C	14.44
Viscosity Index	126
Pour Point	-36
P.M.C.C Flash	186c
BF @ -30.cp	37,492 - 60,000 MAX
MRV @ -30.cp	35,519 - 60,000 MAX
MRV @ -20.cp	8,143 - 10,000 MAX
KRL Shear % Loss	12.00 - 12.5 MAX
H.T HS @ 150°C (cSt)	4.64 - 2.9 MIN
TBN	14.51
Sulfated Ash	1.26

NOTE: VALUES SHOWN ABOVE ARE REPRESENTATIVE OF CURRENT PRODUCTION AND MAY VARY WITHIN MODEST RANGE

\*In order to provide superior quality, BOSS Lubricants reserves the right to change composition of its products without notice.