

PRODUCT DATA SHEET



Marathon Full Synthetic Transmission Oil SAE 50 | Gear Oil

Product Description

Marathon Full Synthetic Transmission Oil SAE 50 combines premium full synthetic base stocks with an advanced additive package. The outcome is top tier protection, oxidation resistance, and extended operating life for heavy duty transmissions, even under extreme operating conditions. This product resists thermal degradation under high temperatures, while offering low temperature fluidity to efficiently lubricate transmission parts and enable smoother cold weather shifting.

Marathon Full Synthetic Oil's high viscosity index provides stronger film integrity at higher temperatures versus conventional oils, yielding extended drain intervals up to 500,000 miles¹.

Features

- Extended drain and service interval capability
- Advanced corrosion resistance protects gear synchronizers
- Increased fuel economy and lower operating costs
- Superior wear protection
- Impressive cold temperature performance
- Compatible with a wide range of seals
- Resists yellow-metal corrosion

Industry & OEM Specifications²

- MT-1
- Meritor 0-81
- Navistar 6816
- GL-4

Applications

Marathon Full Synthetic Transmission Oil SAE 50 is formulated for heavy duty manual transmissions operating under severe service. This full synthetic fluid handles transmission applications in equipment operated in on-highway and off-highway use. It is recommended for year-round lubrication of equipment.

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Technical Data (typical values)

SAE Grade	ASTM	SAE 50
Product Numbers		0340 (120 # keg), 0342 (35# pail)
Viscosity @ 100°C, cSt	D445	17.83
Viscosity @ 40°C, cSt	D445	109.30
Viscosity Index	D2770	181
Specific Gravity at 60°F	D4052	0.8492
Pour Point, °C	D5950	-51
Flash Point, °C	D92	199
Color ASTM	D1500	L1.5
Brookfield Viscosity, mPa s (cP)	D2983	82,000 (-40°C)
Copper Corrosion	D130	-

- 1) Follow the OEM drain interval (miles or hours) for synthetic oil up to 500,000 miles or 3 years, whichever comes first
- 2) Supporting data available to demonstrate acceptable performance
- 3) Always follow operator's manual to confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

The recommended shelf life for these oils is typically 48 months from manufacturing date when stored properly in the original sealed containers.