

Full Synthetic Manual Transmission Fluid SAE 50 API MT-1

Full Synthetics for Extended Drain Intervals;
Outstanding Low and High Temperature Protection

Description

SynGard™ Full Synthetic Heavy Duty SAE 50 Transmission Fluid is a premium quality gear oil for manual transmissions that meets or exceeds the highest industry specifications for automotive transmission oils. Based on premium synthetic components this product is designed to be used in extended drain intervals. The performance provides excellent component protection and cold weather protection.

SynGard Full Synthetic Heavy Duty SAE 50 Transmission Fluid is designed for use in manual transmissions where non-EP gear oils are specified. Martin Lubricants recommends this product for use in applications where the OEM specifies a fluid providing performance capability comparable to the Eaton Roadranger® requirements.

Application

- Ideal for automotive and truck manual transmissions
- Improved fuel economy based on low friction and drag
- Racing and high performance transmissions and differentials
- Construction equipment such as dozers, front end loaders, excavators
- Logging equipment such as skidders, feller bunchers, harvesters, and loaders

Benefits

- Synthetic base stocks maximize oxidation resistance
- Greater film strength at higher operating temperatures
- Reduced wear at start up and ease of startup even in arctic conditions
- Prevents formation of rust and sludge throughout the system
- Outstanding protection and operating performance down to -50° C
- Extended drain intervals versus conventional products



PERFORMANCE RATING

API	MT-1
Eaton Roadranger PS-164 Rev. 7	Extended drain interval up to 500,000 miles
Mack Truck	TO-A Plus
International Truck	TMS-6816
Meritor	O-81
ZF Driveline	ZF FreedomLine (ZF-AS Tronic)
Volvo	97305

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

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This drivetrain oil's service level is in accordance with the latest version of SAE J306 Axle and Manual Transmission Lubricant Viscosity Classification.

Health And Safety Information: See separate Safety Data Sheets available on request.

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TYPICAL PROPERTIES

	Method	0-W-40 Full Synthetic
Color	Visual	Amber
ASTM Color	D-1500	1.7
API Gravity	D-4052	35.1
Specific Gravity, 60°F	D-4052	0.8493
Viscosity, cSt at 40°C	D-0445	103.50
Viscosity, cSt at 100°C	D-0445	17.40
Viscosity Index	D-2270	185
Brookfield Low Temperature	D-2983	130,000 @ -40°C
Pour Point, °C (°F)	D-0097	-42 (-44)
Flash Point, COC °C (°F)	D-0092	235 (455)