



RM Synthetic EP

SAE 80W140

Previously known as Syn EP Gear Oil 80W140

Description

RoadMaster Synthetic EP SAE 80W140 gear oil is a heavy duty, extreme pressure, GL-5 gear lubricant. It is compounded using a synthetic base stock, which has a high viscosity index and an exceptionally low pour point. This lubricant contains extreme pressure additive, as well as rust, oxidation and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions. The high and low temperature performance of this product exceeds those of conventional SAE 80W90, SAE 90 and 85W140 hypoid gear lubricants.

Applications

RM Syn EP SAE 80W140 is recommended for applications where heat and wear present major problems. These applications include manual transmissions where EP type lubricants are recommended, differentials, transfer cases for heavy equipment, trucks, tractors and industrial gear drives. Automobiles, light duty trucks and farm machinery are other potential used of this lubricant.

Features & Benefits

RM Syn EP 80W140 synthetic gear lubricant outperforms conventional gear lubricants to promote longer gear life and better operating economy. Some of the major advantages are:

- Increased gear life – These extreme pressure (EP) lubricants result in longer gear life by providing anti-corrosion properties to further promote extended gear and bearing life. These lubricants exhibit excellent demulsibility and shear stability.
- Better operating performance – As a result of the superior lubricating properties of Syn EP 80W/140 improved fuel mileage can be realised.
- Extended drain, all-season lubrication – with extremely low channel points and high viscosity indices, this lubricant provides excellent performance over a broad temperature range. Further, since it resists oxidation, it will last significantly longer than conventional gear oils.
- Reduced maintenance and less downtime – all of the forgoing advantages of this lubricant translate directly into reduced maintenance and less downtime.

Specifications

Properties	Method	Result
Kinematic Viscosity @ 40°C	ASTM D 445	200.97
Kinematic Viscosity @ 100°C	ASTM D 445	26.47
Viscosity Index	ASTM D2270	166.6
Foam Test, mL	ASTM D892	
Sequence I		Pass
Sequence II		Pass
Sequence III		Pass

Technical Data Sheet



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Specifications Continued

Properties	Method	Result
Copper Strip Corrosion 3 Hours @ 100 °C 3 Hours @ 121 °C	ASTM D130	1a Pass 1a Pass
FZG, Stage, Pass	ASTM D5182	12
Pour Point °C		-40

Performance Levels

API MT-1	AAM MS-2373	MAN 342 M2	ZF TE-ML 12M
API GL-5	Arvin Meritor 0-80	MERITOR O-94	ZF TE-ML 16B
MIL-L-2105D	ARVIN MERITOR AXLES	SCANIA STO 1:0	ZF TE-ML 16C
MIL-PRF-2105E	Mack GO-J	Volvo 97321	ZF TE-ML 16D
SAE J2360	DAF	ZF TE-ML 05A	ZF TE-ML 17B
	International TMS 6816	ZF TE-ML 07A	ZF TE-ML 19B
	IVECO	ZF TE-ML 08	ZF TE-ML 21A



Master Item# 1309

Pack Size Availability: 20L, 200L & IBC=1000L

Last Updated: 30th November 2023

Previously Updated: 15th September 2022

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