



RM Transmission EP

SAE 75W90

Description

RoadMaster Transmission EP SAE 75W90 semi-synthetic gear oil is designed for service in differentials, gear boxes and steering gears requiring a hypoid or extreme pressure lubricant.

Applications

RM Transmission EP 75W90 formulation is designed to overcome gear changing problems that are encountered in some manual gear boxes. The extreme pressure additives used in conventional GL-5 gear oils are so effective that they inhibit the smooth operation of the synchronesh cones. This formulation permits, the synchronesh cones to operate effectively, overcoming "baulking" problems and allowing smooth changes as well as maintaining GL-5 performance. The wide multigrade viscosity is ideal for low temperature gearbox operation and provides efficient lubrication for the differential.

The formulation used for RM Transmission EP 75W90 was developed in Europe to overcome gearshift problems and is approved by most of the major European automotive manufacturers.

Features & Benefits

RM Transmission EP Gear Oil provide:

- **Extra thermal stability.** The high oxidation stability avoids the high temperature degradation problems of 'coked' transmission synchroniser rings and obstructed oil ways which reduce the flow of oil to gears and bearings.
- **Improved oil seal life.** Premature oil seals failures due to high temperature are avoided, thanks to the thermal stability of Transmission EP Gear Oils. Without this protection, oil decomposition occurs, and sludge and carbon can build up into the seal area. The oil temperature at the seal under lip can be 20 - 30°C higher than the bulk oil temperature, causing catastrophic failure of the seal and eventually the gear unit. Seal problems have always represented the number one complaint of transmission manufacturers.
- **Gear life.** Transmission EP Gear oils provide long term durability and excellent protection against pitting fatigue which is the ultimate cause of failure of most gears. Original equipment manufacturers (OEM's) recognise that lubricant protection against pitting is a very desirable property for long transmission life. Field tests, laboratory spalling tests and Power Divider Snap tests confirm the ability of Transmission EP gear oil to extend gear life.
- **Corrosion protection.** Protection is afforded by Transmission EP gear oil to copper alloys under both wet and dry conditions. There is no interaction between these metals and the special additives used in Transmission EP Gear Oils.
- **Anti-foam.** The natural development of foam in transmission service is highly undesirable because it promotes ineffective gear lubrication and premature wear. Transmission EP Gear Oil contains effective anti-foam agents.

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Specifications

Properties	Method	Result
Specific Gravity @20 °C	ASTM D1298	0.881
Kinematic Viscosity @ 40°C	ASTM D 445	88.6
Kinematic Viscosity @ 100°C	ASTM D 445	16.7
Viscosity Index	ASTM D2270	204

Performance Levels

Suitable for Use (SFU)

API GL-4	API GL-5	API MT-1
DAF	IVECO	MERITOR O-94
MIL-PRF-2150E	RENAULT	ZF TE-ML 24A
MERITOR O76-D	MERITOR O76-A	MERITOR O76-B

Approved (A)

MAN 341 GA1	MAN 341 Z2	Mack GO-J
SAE J2360	SCANIA STO 1:0	SCANIA STO 1:1G
ZF TE-ML 02B	ZF TE-ML 05A	ZF TE-ML 07A
ZF TE-ML 12L	ZF TE-ML 16B	ZF TE-ML 16F
ZF TE-ML 19C	ZF TE-ML 21A	MAN 342 M2
MB-Approval 235.0	ZF TE-ML 04G	ZF TE-ML 08
ZF TE-ML 12E	ZF TE-ML 12M	ZF TE-ML 16C
ZF TE-ML 16D	ZF TE-ML 17H	ZF TE-ML 19B

Master Item# 1315

Pack Size Availability: 5L, 20L, 60L, 200L & IBC=1000L

Last Updated: 30th November 2023
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