



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362

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PRODUCT DATA SHEET

EP MULTIGEAR 80W/90 MB 235.20

Hi-Tec EP MULTIGEAR 80W/90 MB 235.20 is a mineral based gear oil specially designed to meet the Mercedes Benz axle specification MB 235.20 with extended long drain performance of up to 350,000 kms. It is particularly suitable for commercial vehicle axles where enhanced load carrying, improved fuel economy, and thermal stability is required. It is also recommended for the lubrication of differentials, final drives, manual transmissions, transfer cases and other gear applications.

Hi-Tec EP MULTIGEAR 80W/90 MB 235.20 offers outstanding high temperature and high load performance properties combined with excellent low temperature fluidity and cold flow properties, excellent corrosion protection and superior seal compatibility.

Hi-Tec EP MULTIGEAR 80W/90 MB 235.20 has outstanding viscosity/temperature properties, even after high mechanical shearing encountered in hypoid and other severe automotive gear applications.

Benefits of Using Hi-Tec EP MULTIGEAR 80W/90MB 235.20

- Anti-wear capabilities: protects components against wear under normal loads.
- Extreme Pressure capabilities: protects components from failure under shock and high loads.
- Spalling protection: provides axle gear sets with metal fatigue protection.
- Thermal durability: prevents gear spalling at high temperatures and loads.
- Shear stability: shear stable viscosity modifiers used to ensure this wide span multigrade oil 'stay in grade'.
- Prevention of oil leakage: oil seal compatibility helps to keep the oil in the axle and maintain lubrication.
- Oxidation and Thermal stability: prevents oil thickening and deposit formation, resulting in better component protection.
- Anti-foam characteristics: prevents breakdown of and maintains the protective oil film, enabling constant lubrication of components.
- Rust and corrosion prevention: protects system parts from water

Hi-Tec EP MULTIGEAR 80W/90 MB 235.20 is recommended for the lubrication of axles, differentials, final drives, manual transmissions, transfer cases and other gear applications where long drain, heavy duty performance is required, such as in Mercedes Benz, Scania, MAN vehicles and those using Arvin Meritor and ZF equipment.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL TEST

ASTM

TYPICAL VALUE

SAE			80W/90
Appearance		Visual	Amber
Density, Kg/Lt	at 15°C	D.1298	0.892
Viscosity, cSt	at 40°C	D.445	140
	at 100°C	D.445	14.5
Viscosity Index		D.2270	102
Flash Point, PM Closed, °C		D.93	254
Pour Point, °C		D.97	-23
Copper Strip Corrosion 3 hours at 100°C		D.130	1b
Foaming Characteristics, 10 mins			
Settling, Sequence 1, 2, 3		D.892	Nil
Phosphorus, % Mass		ICP	0.20
Nitrogen, % Mass		Kjeldahl	0.09
Boron, % Mass		ICP	0.02

APPLICATIONS

Hi-Tec EP MULTIGEAR 80W/90 MB 235.20 is suitable for use where lubricants meeting the following performance levels are recommended:

API GL-5;

MT-1;

MIL-PRF-2105E;

SAE J2360;

Arvin Meritor (axles);

MAN 342 Type M-3;

MB 235.20, 235.0 and 235.6;

Scania STO 1:0;

ZF TE-ML 05B, 07A, 08, 12E, 16B, 16C, 17B, 19B, 21A, 21B

Product Code: 2475

"The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes".

Effective: November 2013

Expires: November 2015

JN31021181/1



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