



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

PRODUCT DESCRIPTION

EP MULTIGEAR 80W/90 MB 235.20 is a mineral oil-based gear lubricant 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.

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.

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

- **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 'stays 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.

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 and MAN vehicles and those using Arvin Meritor and ZF equipment.

SPECIFICATIONS

EP MULTIGEAR 80W/90 MB 235.20 meets or exceeds the following demanding performance requirements:

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

Always consult your vehicle owner's manual for the manufacturer's recommendations.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL PROPERTIES

Property	ASTM Method	Results
SAE	-	80W/90
Appearance	Visual	Amber
Density (kg/Lt) @ 15°C	D-1298	0.892
Viscosity (cSt) @ 40°C	D-445	140
@ 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 @ 100°C	D-130	1b
Foaming Formation (10 mins settling)		
Sequence I, II, III	D-892	Nil
Phosphorus (% wt)	ICP	0.20
Nitrogen (% wt)	Kjeldahl	0.09
Boron (% wt)	ICP	0.02

Available in: Bulk, 200 Litres and 20 Litres

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

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