



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

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PRODUCT DATA SHEET

SYNGEAR M 75W/90 MB235.20

Hi-Tec SYNGEAR M 75W/90 MB235.20 is a full synthetic gear oil specially designed to meet the Mercedes Benz axle specification MB 235.20 with extended long drain performance of up to 500,000 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 SYNGEAR M 75W/90 MB235.20 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 SYNGEAR M 75W/90 MB235.20 has outstanding viscosity/temperature properties, even after high mechanical shearing encountered in hypoid and other severe automotive gear applications.

Benefits of Using Hi-Tec SYNGEAR M 75W/90 MB235.20

- 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 SYNGEAR M 75W/90 MB235.20 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, MAN and Scania vehicles and those using Arvin Meritor and ZF equipment.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL TEST

ASTM

TYPICAL VALUE

SAE			75W/90
Appearance		Visual	Red
Density, Kg/Lt	at 15°C	D.1298	0.874
Viscosity, cSt	at 40°C	D.445	125
	at 100°C	D.445	16.3
Viscosity Index		D.2270	140
Flash Point, PM Closed, °C		D.93	220
Pour Point, °C		D.97	-40
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 SYNGEAR M 75W/90 MB235.20 is suitable for use where lubricants meeting the following performance levels are recommended:

API GL-5;

MT-1;

MIL-PRF-2105E;

SAEJ2360;

Arvin Meritor (axles);

MB 235.0, 235.6;

Scania STO 1:0;

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

Hi-Tec SYNGEAR M 75W/90 MB235.20 surpasses MAN 342 S-1 performance levels in dynamic seals and pitting requirements.

Product Code: HI1-2476

"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"

Effective: March 2014

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