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Product Data Sheet (PDS)



GP SYCROGEN MTF Fully Synthetic Gear & Differential 75w90 GL-5 Limited Slip

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GP Syncrogen MTF Fully Synthetic 75w90 GL5 LS



GP Syncrogen Fully Synthetic 75W90 GL-5 LS is a **fully synthetic**, high-performance gear and differential oil designed to deliver **maximum protection, smoother operation, and longer service life** in both standard and **Limited Slip (LS) differentials**.

Engineered with premium synthetic base stocks and an advanced additive package, it offers exceptional performance across a wide temperature range and under extreme load conditions.

This versatile lubricant exceeds API GL-5 requirements, providing enhanced film strength, reduced friction, and optimal gear performance for a wide variety of vehicles and applications.

Key Features:

- **LS Differential Compatible:** Specially formulated with Limited Slip (LS) friction modifiers to eliminate noise, vibration, and chatter.
- **Fully Synthetic Formula:** Ensures superior thermal and oxidative stability, even under high-stress and extended-drain conditions.
- **Wide Temperature Performance:** Flows efficiently at cold start temperatures while maintaining strong film integrity at high temperatures.
- **Exceptional Wear Protection:** Prevents gear scoring, pitting, and metal-to-metal contact under extreme pressure and shock loads.
- **Fuel Efficiency & Smooth Operation:** Reduces friction and drag within the drivetrain for improved fuel economy and quieter performance.

Applications:

- Suitable for high-performance cars, 4x4s, light and heavy commercial vehicles, and off-road equipment.
- Ideal for hypoid differentials, gearboxes, final drives, and axle systems requiring API GL-5 with **LS capability**.
- Excellent choice for both on-road and off-road applications, particularly in vehicles operating in extreme climates.

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PERFORMANCE STANDARDS:

Syncrogen Fully Synthetic 75w90 GL5 LS meets and exceeds the requirements of the following specifications:

- API MT-1
- API GL-5 / GL-4
- MIL-L-2105D
- MIL-PRF-2105E
- MACK GO-J
- SAE J2360
- PG-2 Limited Slip
- US Steel 224
- AGMA 9005-D94
- Cincinnati Milacron
- Clean Panel Coker
- S-200 Oxidation Tubes
- Arvin Meritor 0-76-N
- Arvin Meritor 0-76-Q, R
- David Brown S1.53.101(E)
- DIN 51517 PART 3
- Eaton
- GM LS2
- ISO 12925-1 CKC/CKD
- Mack GO-G, J
- MB 235.0, 235.5, 235.6, 235.8
- PG-2 Limited Slip
- NATO O-226
- U.S. Steel 224
- Voith Turbo 132.00374401/2
- ZF TE-ML-07A, 05C,D, 12C,D, 16E, 16G

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TECHNICAL DATA

Sr. No	Characteristics	Test Method	Results
01	Appearance	Visual	Bright & Clear
02	Color	ASTM D1500	L1.5
03	Density @ 15.0°C, g/ml	ASTM D4052	0.86
04	KV@40C	ASTM D445	102.12
05	KV@100C	ASTM D445	15.14
06	Viscosity Index	ASTM D2270	156
07	Brookfield Viscosity @-40	ASTM D2983	120,000
08	Flash Point, C	ASTM D92	234
09	Pour Point, C	ASTM D97	-35

Health and Safety:

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.

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