



# GP

GENERAL PETROLEUM

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## Product Data Sheet (PDS)



# GP SYCROGEN MTF Fully Synthetic Gear & Differential 75w140 GL-5 Limited Slip

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# GP Syncrogen MTF Fully Synthetic 75w140 GL5 LS



**GP Syncrogen Fully Synthetic 75W140 GL-5 LS** is a **premium, fully synthetic gear and differential oil** formulated for extreme performance in heavy-duty and high-performance applications. Engineered with top-tier synthetic base oils and enhanced with advanced **Extreme Pressure (EP)** and **Limited Slip (LS)** additives, it delivers exceptional protection, stability, and smooth operation in the most demanding conditions.

Designed to exceed the latest API GL-5 requirements, this oil is especially suited for **limited slip differentials** found in performance cars, off-road vehicles, commercial trucks, and industrial equipment operating under severe load, high torque, and extreme temperature environments.

## Key Features:

- **LS Technology for Quiet Operation:** Contains specialized friction modifiers for seamless performance in Limited Slip differentials—eliminates chatter, shudder, and vibration.
- **Advanced Synthetic Formula:** Offers excellent thermal and oxidative stability for longer drain intervals and superior gear protection.
- **Exceptional Extreme Pressure Protection:** Guards against wear, pitting, and scuffing under high load and shock-loading conditions.
- **Wide Temperature Range:** Maintains optimal viscosity from cold starts to extreme heat, ensuring reliable gear lubrication in all climates.
- **Corrosion and Rust Inhibition:** Protects internal components from moisture-related damage in both on-road and off-road environments.

## Applications:

- Recommended for high-performance sports vehicles, 4WDs, heavy-duty trucks, construction, mining, and agricultural equipment.
- Ideal for hypoid gears, differentials, axles, and final drives—especially those requiring API GL-5 with LS capability.
- Suitable for extended service intervals in severe operating conditions (per OEM specifications).

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## PERFORMANCE STANDARDS:

Syncrogen Fully Synthetic 75w140 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-M
- Arvin Meritor 0-76-Q, R
- David Brown S1.53.101(E)
- DIN 51517 PART 3
- Eaton
- Ford WSL-M2C192-A
- 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
- Scania STO 2:0A
- U.S. Steel 224
- Voith Turbo 132.00374401/2
- ZF TE-ML-07A, 05C,D, 12C,D, 16E, 16G

## 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	192.24
05	KV@100C	ASTM D445	26.54
06	Viscosity Index	ASTM D2270	174
07	Brookfield Viscosity @-40	ASTM D2983	136,000
08	Flash Point, C	ASTM D92	238
09	Pour Point, C	ASTM D97	-36

### 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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