



# GP

GENERAL PETROLEUM

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## Product Data Sheet (PDS)



# GP SYCROGEN MTF Gear & Differential 85w140 GL-5

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# GP Syncrogen MTF 85W140 GL5



**GP Syncrogen MTF Gear and Differential oil 85W140 GL-5** is a heavy-duty gear and differential oil engineered to deliver superior protection and performance in high-load, high-temperature, and severe service conditions. Formulated with high-quality base oils and fortified with advanced Extreme Pressure (EP) additives, it meets the rigorous API GL-5 specification, making it ideal for commercial and industrial drivetrain components.

## Key Features:

**Heavy-Duty Protection:** Designed for maximum durability in high-load gear systems, including hypoid gears and axles.

**Outstanding Wear Resistance:** Protects against gear scuffing, pitting, and bearing wear—even under shock-loading and heavy torque.

**Excellent Thermal & Oxidation Stability:** Maintains viscosity and resists degradation in extreme temperatures and extended drain intervals.

**Superior Shear Stability:** Ensures consistent film strength and gear protection throughout the service life of the oil.

**Corrosion & Rust Protection:** Shields metal surfaces from moisture and corrosion in off-road or humid operating conditions.

## Applications:

Manual transmissions, final drives, axles, and hypoid differentials requiring API GL-5 oils

Heavy-duty trucks, construction equipment, agricultural machinery, and commercial fleet vehicles

Recommended for use where 85W140 viscosity and GL-5 level performance is specified by the OEM

Suitable for extended drain intervals and severe operating conditions.

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## PERFORMANCE STANDARDS:

Syncrogen 85w140 GL5 meets and exceeds the requirements of the following specifications:

- API GL-5,
- API MT-1,
- AGMA 250.04/9005-E02,
- AIST 224,
- Arvin Meritor Axles,
- Arvin Meritor 0-76-A/ 0-76-Q/R,
- Cincinnati Milacron,
- DAF,
- David Brown S1.53.101,
- DIN 51517 Part 3,
- Eaton,
- ISO 12925-1 CKC/CKD,
- IVECO,
- KOMATSU KES 07.861,
- MACK GO-G/H/J,
- MAN 341 Z-1,
- MAN 342 Type M1/M2/M3,
- MAN M 3343 Type M,
- MB 235.0/235.5/235.6/235.8/235.20/235.1,
- MIL-PRF-2105D/2105E,
- NATO 0-226,
- Renault,
- SAE J-2360,
- Scania:STO 1:0/2:0A,
- US Steel 224,
- Volvo 97310/1273.10,
- ZF TE-ML-02B/24A/07A/08/12M

## **TECHNICAL DATA**

Sr. No	Characteristics	Test Method	Results
01	Appearance	Visual	Bright & Clear
02	Color	ASTM D1500	L3.5
03	Density @ 15.0°C, g/ml	ASTM D4052	0.902
04	KV@40C	ASTM D445	356
05	KV@100C	ASTM D445	27.3
06	Viscosity Index	ASTM D2270	104
07	Brookfield Viscosity @-12	ASTM D2983	95,000
08	Flash Point, C	ASTM D92	244
09	Pour Point, C	ASTM D97	-15

### **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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