



# GP

GENERAL PETROLEUM

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## Product Data Sheet (PDS)



**GP DEOGEN  
FULLY SYNTHETIC  
10W-30 API CK-4**

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# GP Deogen Fully Synthetic 10W-30 API CK-4



**GP DEOGEN Fully Synthetic 10W30 CK-4** is a **high-performance, heavy-duty diesel and Natural Gas Engine Oil** designed to deliver extended engine life, superior wear protection, and enhanced fuel economy in today's most demanding engine environments. Formulated with cutting-edge additive technology and high-quality synthetic base oils, it meets the stringent **API CK-4** specification and is optimized for use in **modern low-emission engines** and **older, well-maintained diesel engines** alike.

This premium lubricant is suitable for use in **high speed 4-stroke diesel and natural gas engines** and is compatible with diesel and natural gas engines fitted with EGR and the latest exhaust after treatment systems such as; DPF, DOC and/or SCR. It meets API-CK-4 (diesel), Cummins CES 20092 (natural gas), and API SN (gasoline) engine specifications.

## Key Features:

- **API CK-4 Certified:** Meets the latest industry standards for wear protection, oil oxidation resistance, and shear stability.
- **Fully Synthetic Formula:** Provides superior thermal stability, extended oil drain capability, and improved cold start performance.
- **DPF & EGR Compatible:** Designed for use with modern emission control systems without compromising protection or performance.
- **Enhanced Fuel Economy:** Low-friction formulation improves engine efficiency and reduces fuel consumption.
- **Excellent Soot & Deposit Control:** Maintains engine cleanliness, reduces sludge build-up, and protects critical components.

## Applications:

- Suitable for a wide range of heavy-duty diesel engines in transportation, construction, and industrial sectors.
- Recommended for engines operating under high loads, extended idle times, and severe environmental conditions.
- It meets API-CK-4 (diesel), Cummins CES 20092 (natural gas), and API SN (gasoline) engine.
- Backward compatible with older diesel engines requiring earlier API categories (CJ-4, CI-4 Plus, CI-4).

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## PERFORMANCE STANDARDS:

Deogen Fully Synthetic 10w-30 CK4 meets and exceeds the requirements of the following specifications:

- API CK-4/ SN
- ACEA E7/ E11-22
- Daimler DTFR 15C100
- MAN M3775
- VOLVO VDS 4.5
- RVI RLD-4 / RLD-3
- Mack EOS-4.5
- MTU Type 2.1
- Caterpillar ECF-3
- Deutz DQC III-18 LA
- Detroit Diesel DFS 93K222
- Cummins CES 20086

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## TECHNICAL DATA

Sr. No	Characteristics	Test Method	Results
01	Appearance	Visual	Bright & Clear
02	Color	ASTM D1500	3.5
03	Density @ 15.0°C, g/ml	ASTM D4052	0.855
04	KV@40C	ASTM D445	68.02
05	KV@100C	ASTM D445	11.2
06	Viscosity Index	ASTM D2270	158
07	TBN	ASTM D 2896	8.4
08	Flash Point, C	ASTM D92	220
09	Pour Point, C	ASTM D97	-42
10	CCS Viscosity at -25 C	ASTM D5293	3138

### 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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