



GP

GENERAL PETROLEUM

www.generalpetroleum.us

Product Data Sheet (PDS)



GP DEOGEN FULLY SYNTHETIC SAE 5W40 API CK-4

(The MENA first and only API certified CK-4 5W-40 brand)

Published By:

Technical Department of
General Petroleum GmbH
Frankfurt, Germany

Last Update Date:

1/8/2025

GP DEOGEN FULLY SYNTHETIC

SAE 5W40 API CK4



GP DEOGEN Fully Synthetic 5W40 CK-4 is a high-performance, full synthetic diesel engine oil designed for modern heavy-duty and light-duty diesel engines. Engineered to provide excellent wear protection, thermal stability, and long drain capability, it helps extend engine life while maintaining optimal performance in severe operating conditions. GP DEOGEN 5W40 CK-4 meets CK-4 specifications, making it ideal for turbocharged, low-emission, and older diesel engines, as well as mixed fleet applications with gasoline engines. Suitable for on-road transport, construction, mining, and agricultural equipment, it ensures reliable protection and efficiency across a wide range of demanding environments.

PERFORMANCE STANDARDS:

GP DEOGEN 5w40 CK4 meets and exceeds the requirements of the following specifications:

- API CK-4, CJ-4, CI-4+
- Volvo VDS4.5, VDS4, VDS3
- Mack EOS-4.5, EO-O
- Renault RLD-4, RLD-3
- Cummins CES20086, CES20081
- Caterpillar ECF-2, ECF-3, ECF-1-a
- DDC 93K218, 93K215, 93K214
- DFS 93K222
- ACEA E9, E7
- MB 228.31
- MAN 3575
- MTU Type 2.1, II, I
- JASO DH-2
- Deutz DQC III-10LA
- Chrysler MS 10902
- Ford WSS-M2C171-F1

FEATURES & BENEFITS:

- Meets or exceeds demanding specifications of a major OEM
- One engine oil for mixed fleet operations
- Helps to reduce engine scuffing and bore polishing
- Low volatility
- Aids fuel economy
- Helps to control oil consumption
- Exceptional low temperature pumpability
- Helps to deposit control and extended drain capability
- Outstanding resistance to corrosion

GP DEOGEN FULLY SYNTHETIC SAE 5W40 API CK4



Applications:

GP DEOGEN 5W-40 is recommended for use in all super high performance diesel applications, including modern low emission engine designs with Exhaust Gas Recirculation (EGR). These applications include the following:

- Where API performance category SN oils are recommended
- On-highway engines operating in both high speed/high load and stop-and-go conditions
- Off-highway engines operating in severe low speed/heavy load conditions
- Virtually all diesel-powered equipment from American, European, and Japanese equipment builders
- High performance gasoline engines and mixed fleets
- Refrigeration units

GP DEOGEN FULLY SYNTHETIC SAE 5W40 API CK4



TECHNICAL DATA

Sr. No	Characteristics	Test Method	5W40
01	Appearance	VISUAL	B & C
02	Color	ASTM D-1500	Golden
03	Density @ 15 C, g/ml	ASTM D-4052	0.858
04	Viscosity @ 40 C, cSt	ASTM D-445	90.2
05	Viscosity @ 100 C, cSt	ASTM D-445	15.2
06	Viscosity Index	ASTM D-2270	170+
07	TBN, mg KOH/gm	ASTM D-2896	10.2
08	Flash Point, COC, C	ASTM D-92	230
09	Pour Point, C	ASTM D-97	-39

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.