



## NATIONAL™ dexos1™ GEN 2 | PCMO

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### Product Description

NATIONAL dexos1™ GEN 2 motor oils are made with full synthetic base stocks with exceptional volatility that address the enhanced performance demands of the latest Turbocharged Gasoline Direct Injection (TGDI) engine designs. These engines require lubricants to provide:

- Protection against abrasive soot particles, which can contribute to increased engine wear.
- Outstanding cooling properties, which fight off deposits.
- Excellent pre-ignition protection to deter engine damage

NATIONAL dexos1™ GEN 2 are specifically formulated to prevent low speed pre-ignition (LSPI<sup>4</sup>) using advanced additive technology to address all of these new performance demands. These motor oils better protect today's engines with enhanced performance in the areas of wear, cleanliness, and fuel economy while providing excellent protection for extended drains and extreme service conditions.

### Industry and OEM Specifications

- GM dexos1™ Gen 2 licensed<sup>1</sup>
- API SP, SN Plus and prior "S" categories
- ILSAC GF-6A, Resource Conserving
- Meets the requirements for FORD:
  - ◆ WSS-M2C961-A1 (5W-30)
  - ◆ WSS-M2C962-A1 (0W-20)

### Applications

NATIONAL dexos1™ Gen 2 motor oils are licensed under GM dexos1™ Gen 2 specifications and it is recommended for use Turbocharged Gasoline Direct Injection (TGDI), conventional gasoline-fueled and flex-fuel passenger cars, light trucks and sport utility vehicles, including gasoline-electric hybrids, especially when operating under severe conditions or anywhere where the manufacturer calls for dexos1™ Gen 2 or API SP, SN Plus/ ILSAC GF-6A<sup>2</sup> rated oils..

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Pinnacle Oil believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.

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## Features

- Delivers optimum protection for TGD1 designs and the latest GM dexos1™ Gen 2 approval capability
- Delivers enhanced performance in the areas of wear, cleanliness and fuel economy
- Fully backward compatible with dexos1™ and can be used in older vehicles
- Exceeds capabilities of market GF-5 oils, providing protection against the potential for pre-ignition in TGD1 designs, fully meeting both the currently defined OEM requirements and the anticipated future industry performance targets.
- Available in two multi-viscosity grades<sup>3</sup>

## Technical Data



SAE GRADE		0W-20	5W-30
Product Number		07-017875	07-017958
License Number		D13002AC031	D13005AD031
SDS Number		S121	S122
Viscosity @ 100°C, cSt	D445	8.83	11.09
Viscosity @ 40°C, cSt	D445	46.96	62.33
Viscosity Index	D2770	171	172
Specific Gravity @ 60°F	D4052	0.843	0.846
Pour Point, °C	D5950	-45	-48
Color ASTM	D1500	L3.0	3
CCS, cP	D5293	5,700 (-35°C)	3,660 (-30°C)
Flash Point COC, °C	D92	200	205
TBN	D2896	8.1	8
Noack Volatility, %	D5800	10.9	11
HTHS, cP	D4683	2.68	3.2

1) dexos1™ Gen 2 is a registered trademark of General Motors, LLC.

2) Certification Mark "Starburst" and the Service Symbol "Donut" are API's trademarks and cannot be used without proper license

3) Always follow operator's manual for recommended viscosity grade and API service classification

4) To learn more about LSPI visit <http://www.aftonchemical.com/Generic/LSPI>

The recommended shelf life for these oils is typically 48 months from manufacturing date when stored properly in the original sealed containers

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