Product Data Sheet

NATIONAL dexos™1 Gen 3 | Premium Full Synthetic Engine Oils

Product Description

NATIONAL dexos™1 Gen 3 motor oils are made with full synthetic base stocks to meet the stricter volatility limits and fuel economy 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 dexos™1 Gen 3 are specifically formulated to prevent low speed pre-ignition (LSPI[4]) using advanced additive technology to address all 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 Applications [1]

- GM dexos™1 Gen 3 licensed
- 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 dexos™1 Gen 3 motor oils are licensed under GM 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 dexos™1 Gen 3 or API SP, SN Plus/ ILSAC GF-6A 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.

Features

- ✓ Delivers optimum protection for TGDI designs and the latest GM dexos™1 Gen3 approval capability
- ✓ Delivers enhanced performance in the areas of wear, cleanliness, and fuel economy
- ✓ Fully backward compatible with dexos™1 Gen2 and can be used in older vehicles
- ✓ Exceeds capabilities of market GF-6 oils, providing protection against the potential for pre-ignition in TGDI designs, fully meeting both the currently defined OEM requirements and the anticipated future industry performance targets.
- ✓ Available in two multi-viscosity grades

Technical Data

SAE GRADE		0W-20	5W-30
Product Code		07-017875-G	07-017958-E
License Number		D33012CL031	D33014CL031
SDS Number		S157	
Viscosity @ 100°C, cSt	D7279	8.088	11.670
Viscosity @ 40°C, cSt	D7279	42.58	65.52
Viscosity Index	D2270	167	175
Specific Gravity at 60°F	D4052	0.8452	0.8467
Pour Point, °C	D5950	-42	-39
Cold Crank Simulator, cP	D5293	5,619 (-35°C)	4,180 (-30°C)
Color ASTM	D1500	L3.0	L3.0
Flash Point, °C	D92	229	231
TBN, mg KOH/g	D2896	7.8	8.0
Noack Volatility, %	D5800	10.5	9.8
HTHS, cP	D4683	2.7	3.2

Always follow operator's manual for recommended viscosity grade and API service classification
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Certification Mark "Starburst" and the Service Symbol "Donut" are API's trademarks and cannot be used without proper license

The recommended shelf life for these oils is typically 60 months from manufacturing date when stored properly in the original sealed containers.