



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 meet the latest API and ILSAC requirements of aged oil LSPI protection, increased limits for fuel economy, piston deposits, timing chain wear, & low temperature pumpability, along with a cap on sulfated ash level for gasoline particulate filter compatibility. These engine 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
- ◆ Licensed API **SQ** and backwards compatibility¹ with prior "S" categories
- ◆ ILSAC GF-7A, Resource Conserving
- ◆ Meets the requirements for FORD:
 - WSS-M2C971-A1 (5W-30)
 - WSS-M2C972-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 SQ/ ILSAC GF-7A 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

- ✓ **Extended drain intervals**, provide unsurpassed protection against sludge, varnish and deposit buildup to keep modern engines running cleaner, stronger, and longer
- ✓ **Sustainability**, formulated to reduce energy losses due to viscosity, contributes to lowering greenhouse gas emissions by helping vehicles consume less fuel
- ✓ **Superior Engine Protection**, meeting stricter requirements for piston deposit control and aged-oil LSPI mitigation; these measures ensure engines stay cleaner and operate more efficiently over extended periods, thus boosting engine longevity and overall vehicle performance
- ✓ **Optimum protection** for TGD1 designs and the latest GM dexos™1 Gen3 approval capability

Technical Data

SAE GRADE		0W-20	5W-30
Product Code		07-017875-G	07-017958-E
License Number		D325BJHB0	D325AKHB0
SDS Number		S177	
Viscosity @ 100°C, cSt	D7279	9.055	10.38
Viscosity @ 40°C, cSt	D7279	48.63	60.02
Viscosity Index	D2270	170	163
Specific Gravity at 60°F	D4052	0.8457	0.8476
Pour Point, °C	D5950	-45	-39
Cold Crank Simulator, cP	D5293	5,512 (-35°C)	5,300 (-30°C)
Color ASTM	D1500	L3.0	L3.0
Flash Point, °C	D92	229	231
TBN, mg KOH/g	D2896	7.3	7.1
Noack Volatility, %	D5800	12.1	9.1
HTHS, cP	D4683	2.67	3.01



- Always follow operator's manual for recommended viscosity grade and API service classification
 - dexos™1 Gen3 is a registered trademark of General Motors, LLC.
 - 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.

