



FULL SYNTHETIC dexos1[®] MOTOR OIL

Sinclair Full Synthetic GM dexos1[®] approved motor oil is a state of the art, advanced technology motor oil providing the highest level of engine protection available, even under the most severe operating conditions. Utilizing high performance 100% synthetic basestocks fortified with a sophisticated additive system, Sinclair dexos1[®] provides exceptional resistance to high temperature oxidation thickening and prevents sludge formation commonly caused by moisture and combustion by-products. The exceptionally high viscosity index minimizes cold weather oil thickening, reducing battery drain and engine wear even at subzero startup temperatures.

This product meets or exceeds tough GM dexos1[®] worldwide standards and warranty requirements for all GM automotive gasoline engines currently in use. Sinclair GM provides exceptional resistance to high temperature oxidation thickening and can also be used in any engine requiring the use of SAE 5W-30. Sinclair GM dexos1[™] chemistry keeps pistons cleaner than GF-5 minimizing oil consumption and maintains power and compression performance while reducing sludge to near zero.

Sinclair Full Synthetic GM dexos1[®] approved SAE 5W-30 carries the GM dexos1[®] Certification, ILSAC GF-5 Certification, API SN, and is suitable for use where GM 4718M and GM 6094N were previously recommended.



APPLICATIONS

- Where API Performance Category SN, SM, SL, SJ, SH, SG, SF, or SE oils are recommended.
- In passenger car, SUV and light truck engines that require oils showing the ILSAC GF-5 Certification Mark.
- In all turbocharged gasoline engines.
- In larger gasoline engines used in severe service, such as towing trailers, campers, racing, etc.
- In older gasoline powered passenger car engines.

Sinclair Arctic Fire Full Synthetic Motor Oils are licensed by the API for the SN Classification under the new CMA Code of Practice. This classification assures only the highest quality.

PERFORMANCE

- Provides fast starting and quick oil pump ability
- Maintains viscosity over a wide range of temperatures and maintains grade through the recommended drain interval
- Provides wear protection, deposit control, reduced starting friction
- Meets or exceeds General Motors specification 6094M
- Outstanding protection against viscosity and thermal breakdown
- Improved fuel economy

Sinclair Arctic Fire Full Synthetic Motor Oils Meet
API SN, SM and SL, ILSAC GF-5



FULL SYNTHETIC dexos1[®] SAE 5W-30 MOTOR OIL

TYPICAL PHYSICAL PROPERTIES

| | METHOD | TYPICAL RESULTS |
|--|--------------------|-----------------|
| Viscosity Grade | | |
| Gravity, °API | ASTM D287 | 34.15 |
| Specific Gravity @ 60°F (15.6°C) | ASTM D4052 | 0.8542 |
| Viscosity @ 40°C cSt | ASTM D445 | 63.95 |
| Viscosity @ 100°C cSt | ASTM D445 | 10.93 |
| Viscosity Index | ASTM D2270 | 163 |
| High Temperature / High Shear Vis at 100°C, cP | ASTM D6616 | 7.15 |
| High Temperature / High Shear Vis at 150°C, cP | ASTM D4683 | 3.2 |
| Noack Volatility, % loss | ASTM D5800 | 10.5 |
| Color | ASTM D1500 | 2.5 |
| Zinc, wt. % | ASTM D5185 | 0.085 |
| Phosphorus, wt. % | ASTM D5185 | 0.079 |
| Calcium, wt. % | ASTM D5185 | 0.214 |
| Sulfur, wt. % | ASTM D4951 | 0.252 |
| Boron, wt. % | ASTM D5185 | 0.023 |
| Molybdenum, wt. % | ASTM D5185 | 0.0079 |
| Sulfated Ash, wt. % | ASTM D874 | 0.92 |
| Nitrogen, wt. % | ASTM D4629 | 0.102 |
| Pumping Viscosity at (°C), cP | ASTM D4684 | 18,400 (-35) |
| Shear Stability | ASTM D6278 | 9.43 |
| Foam Seq. I (Tendency/Stability), mL | ASTM D892 (Opt. A) | 0/0 |
| Foam Seq. II (Tendency/Stability), mL | ASTM D892 (Opt. A) | 0/0 |
| Foam Seq. III (Tendency/Stability), mL | ASTM D892 (Opt. A) | 0/0 |
| High Temperature Foaming, static foam | ASTM D6082 (Opt A) | 0/0 |
| Copper Strip Corrosion (3 hrs@100°C) | ASTM D130 | 0 |
| TBN, mgKOH/g | ASTM D2896 | 7.9 |

| Description | Pack Size | Part # | Each UPC | Case UPC | Case Dimensions | Case Cube / Pallet Cube | Case Weight / Pallet Weight | Pallet Stack |
|---|------------|---------|-----------------|-----------------|-----------------------------------|-------------------------|-----------------------------|-------------------------------|
| GM dexos1 [®] SAE 5W-30 Motor Oil | 6/1 Quart | 502-006 | 0 14168-01743 5 | 0 14168-01768 8 | L 9.500 x W 7.625 x H 9.625 | 0.403 / 68.194 | 12.230 / 1907.800 | 156 Cases (6 layers of 26) |
| GM dexos1 [®] SAE 5W-30 Motor Oil | 55 Gallon | 502-003 | 0 14168-01742 8 | N/A | L 23.000 x W 23.000 x H 35.000 | 10.715 / 44.444 | 426.344 / 1705.375 | 4 Drums |
| GM dexos1 [®] SAE 5W-30 Motor Oil | 330 Gallon | 502-002 | N/A | N/A | L 48.000 x W 48.000 x H 49.000 | 65.333 / 65.333 | 2,521.810 / 2521.810 | 1 Tote |

Sinclair Oil is a GM licensed supplier of dexos1[®]. Sinclair's license number is RR1B0216039. You can visit <http://www.gmdexos.com/licensedbrands/dexos1licensedbrands.html> for more information.

