



NATIONAL | High Mileage Engine Oils

Product Description

NATIONAL High Mileage is a quality; synthetic blend automotive engine oil specially designed for vehicles of any age.

NATIONAL High Mileage has been formulated with superior-quality additives protect against engine deposits, wear, friction and extreme heat, the four leading causes of engine failure. Plus, added detergents reduce sludge, corrosion and deposits. These engine oils 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.

Industry and OEM Applications

- ◆ Licensed API **SQ** and backwards compatibility with prior “S” categories
- ◆ ILSAC GF-7A ¹, Resource Conserving
- ◆ CHRYSLER MS-6395
- ◆ Meets the requirements for FORD:
 - WSS-M2C970-A1 (5W-20) ²
 - WSS-M2C971-A1 (5W-30) ²
- ◆ Toyota, Honda, Nissan, and Hyundai ³

Applications ⁴

NATIONAL High Mileage are suitable for use in new and older engines that have accumulated 75,000 miles or more. These vehicles include domestic and imported vehicles with 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 the manufacturer calls for ILSAC GF-7A ¹ or API SQ rated oils for engine application.

Features

- ✓ **Special protection for engines with 75,000 miles or more**, formulated to protect against the detrimental effects of blow-by gases
- ✓ **Improved resistance to oxidation and thermal breakdown**, GF-7 oils will continue to perform optimally throughout their lifespan, offering better protection against wear and tear
- ✓ **Cleaner Engines**, 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, fuel economy, and overall vehicle performance
- ✓ **Sustainability**, contributes to lowering greenhouse gas emissions by helping vehicles consume less fuel



Technical Data ⁵

SAE GRADE		5W-20	5W-30	10W-30	10W-40
Product Code		07-392525	07-392535	07-392115	07-395104
SDS Number		S160			
Viscosity @ 100°C, cSt	D7279	8.794	10.32	10.93	15.80
Viscosity @ 40°C, cSt	D7279	51.10	59.51	67.10	100.8
Viscosity Index	D2270	152	163	154	168
Specific Gravity at 60°F	D4052	0.8550	0.8520	0.8563	0.8552
Pour Point, °C	D5950	-42	-45	-42	-42
Cold Crank Simulator, cP	D5293	5,739 (-30C)	4,863 (-30C)	3,779 (-25C)	3,924 (-25C)
Color ASTM	D1500	3.0	L3.0	L3.0	L3.0
Flash Point, °C	D92	231	230	236	235
TBN, mg KOH/g	D2896	8.2	8.0	7.9	8.0
Noack Volatility, %	D5800	12.1	12.1	11.6	12.3
HTHS, cP	D4683	2.7	2.9	3.0	3.8

1. Does not apply to 10W-40
2. Backwards compatible with Ford WSS-M2C960-A1 (5W-20), WSS-M2C961-A1 (5W-30) and GM6094M/ GM4718M (obsolete).
3. Require ILSAC GF-7 approved oils for service fill. Additional unpublished specifications for factory fill and genuine oils.
4. Always follow the operator's manual for recommended viscosity grade and API service classification.
5. Minor variations in product typical test data are to be expected in normal manufacturing. 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 lubricants is typically 60 months from manufacturing date when stored in the original sealed containers in a sheltered environment under good housekeeping conditions and at typical ambient temperatures.

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.

