



NATIONAL™ PREMIUM SYNTHETIC BLEND | PCMO

Product Description

NATIONAL PREMIUM is a quality, synthetic blend automotive engine oil designed to provide excellent engine protection. It is specifically formulated to meet the latest industry requirements of enhanced fuel economy performance and robust pre-ignition control as defined by the new ILSAC GF-6 industry standard.

NATIONAL PREMIUM engine oil is formulated to provide robust performance against all of the key performance elements of the GF-6 specification ensuring that it not only fully meets the warranty requirements of newer turbocharged gasoline direct injection (TGDI) engine types in terms of wear, oxidation control, fuel economy and pre-ignition, but also continues to provide excellent protection against sludge, piston cleanliness, engine rust and corrosion for all engine types under severe service or low temperature operation.

Industry and OEM Specifications

- API SP, SN Plus
- Resource Conserving, ILSAC GF-6¹
- Fully backwards compatible API SN, SM, SL, SJ
- FORD WSS-M2C960-A1 (5W-20)²
- FORD WSS-M2C961-A1 (5W-30)²
- CHRYSLER MS-6395S
- Toyota, Honda, Nissan, and Hyundai³

Applications⁴

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-6 or API SP rated oils for engine application.

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

- Formulated to control the potential for timing wear in modern TGD engines
- Enhanced pre-ignition protection above current API SN PLUS products
- Formulated to protect emissions control system catalysts
- Excellent fuel economy
- Good low temperature pumpability for protection during cold starts
- Advanced varnish and sludge protection to keep engine clean by minimizing deposit formation

Technical Data



SAE GRADE		5W-20	5W-30	10W-30	10W-40	20W-50	SAE 30
Product Number		12-190520	12-190530	12-191030	12-132012	07-135011	07-133012
SDS Number		S147	S147	S147	S147	S148	S148
Resource Conserving, ILSAC GF-6A		YES	YES	YES	NO	NO	NO
Viscosity @ 100°C, cSt	D445	8.646	10.53	10.55	15	18.28	10.62
Viscosity @ 40°C, cSt	D445	53.05	65.57	63.98	99.63	149.5	78.48
Viscosity Index	D2770	140	149	154	158	137	121
Specific Gravity at 60°F	D4052	0.8586	0.8576	0.8597	0.8616	0.8704	0.8723
Pour Point, °C	D5950	-45	-45	-45	-42	-33	-33
Flash Point, °C	D92	202	202	203	205	205	207
Color ASTM	D1500	L3.0	L3.0	L3.0	L3.0	L3.0	L3.0
CCS, cP	D5293	6300 (-30°C)	6400 (-30°C)	4000 (-25°C)	5700 (-25°C)	4300 (-15°C)	NA
Noack Volatility, %w	D5800	11.7	11.2	11.4	9.8	6.5	6.1
TBN	D2896	7.1	7	7	7.1	7.1	7.1

1) ILSAC viscosity grades

2) Backwards compatible with Ford WSS-M2C945-B1 (5W-20)/M2C946-B1 (5W-30) and GM6094M/GM4718M (obsolete)

3) Require ILSAC GF-6 approved oils for service fill. Additional unpublished specifications for factory fill and genuine oils (mostly 0W-20)

4) Always follow operator's manual for recommended viscosity grade and API service classification Certification Mark "Starburst" and the Service Symbol "Donut" are API's trademarks and cannot be used without proper license For GM vehicles model years 2011 and after, see our National™ dexos1™ Gen 2

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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