



PRODUCT DATA SHEET

NATIONAL Premium Full Synthetic Engine Oils

PRODUCT DESCRIPTION

NATIONAL Premium Full Synthetic is formulated with the highest quality synthetic base oils and premium additive technology to provide exceptional wear protection in hot or cold operating temperatures. Provides protection for extended oil drains¹, heavy loads and for vehicles requiring a synthetic motor oil. Specifically formulated to prevent low speed pre-ignition (LSPI²) - the primary driver for the API SN Plus supplemental standard - and that also help protect the turbocharger components in Turbocharged Gasoline Direct Injection (TGDI) engines.

INDUSTRY AND OEM SPECIFICATIONS

- ◆ API SN, **SN Plus**
- ◆ API SM, SL, SJ
- ◆ Resource Conserving, ILSAC GF-5
- ◆ FORD WSS-M2C947-**B1** (0W-20)
- ◆ FORD WSS-M2C945-**B1** (5W-20)
- ◆ FORD WSS-M2C946-**B1** (5W-30)
- ◆ CHRYSLER MS-6395S

APPLICATIONS³

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 where the manufacturer calls for API SN, SN Plus rated oils.

FEATURES

- ✓ Formulated to protect emissions control system catalysts
- ✓ Advanced varnish and sludge protection to keep engine clean by minimizing deposit formation
- ✓ Excellent fuel economy
- ✓ Excellent low temperature pumpability for protection during cold starts
- ✓ Available in five different SAE grades

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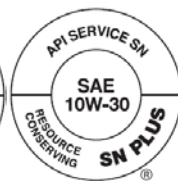
The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Pinnacle Oil believes that the information presented in this specification is accurate at the time written and 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.



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TECHNICAL DATA

(typical values)



SAE GRADE		0W-16	0W-20	5W-20	5W-30	10W-30
Product Number		07-1706287	07-130020	07-195520	07-195530	07-195130
SDS Number		S132	S132	S132	S132	S132
Resource Conserving, ILSAC GF-5		YES	YES	YES	YES	YES
Viscosity @ 100°C, cSt	D445	7.49	8.29	8.69	10.12	10.72
Viscosity @ 40°C, cSt	D445	38.88	43.82	49.54	56.14	66.53
Viscosity Index	D2770	163	168	155	170	151
Specific Gravity at 60°F	D4052	0.8440	0.8457	0.8503	0.8472	0.8579
Pour Point, °C	D5950	-51	-48	-39	-42	-45
Flash Point, °C	D92	195	195	195	210	215
Color ASTM	D1500	L3.5	L3.5	L3.5	L3.5	L3.5
CCS, cP	D5293	5,100 (-35°C)	5,600 (-35°C)	5,500 (-30°C)	4,300 (-30°C)	4,900 (-25°C)
Noack Volatility, %w	D5800	12.0	11.2	10.1	10.7	10.0
TBN	D2896	9.6	9.7	9.5	9.7	9.6

- 1) If your vehicle is under warranty, follow the oil change interval recommended by your manufacturer. Extended service is not recommended in severe service applications such as racing, frequent towing or hauling, commercial use, extremely dirty/dusty conditions or excessive idling.
- 2) To learn more about LSPI visit <http://www.infineuminsight.com/insight/jun-2017/lspi-and-lubricant-auto-ignition>
- 3) 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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