



## PRODUCT DATA SHEET

# NATIONAL Premium Engine Oils

### PRODUCT DESCRIPTION

NATIONAL Premium is a quality, part-synthetic<sup>2</sup> automotive engine oil designed to provide excellent engine protection. Specifically formulated to prevent low speed pre-ignition (LSPI<sup>1</sup>) - 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.

NATIONAL Premium engine oil is formulated to provide an excellent protection against sludge, engine rust and corrosion, resist oil thickening and foaming by providing enhanced oxidation control under severe service conditions and low temperature operating conditions.

### INDUSTRY AND OEM SPECIFICATIONS

- ◆ API SN, **SN Plus**
- ◆ API SM, SL, SJ
- ◆ Resource Conserving, ILSAC GF-5<sup>2</sup>
- ◆ GM6094M/GM4718M (obsolete)
- ◆ FORD WSS-M2C945-**B1** (5W-20)
- ◆ FORD WSS-M2C946-**B1** (5W-30)
- ◆ CHRYSLER MS-6395S
- ◆ Ford WSS-M2C945-A/ M2C946-A

### APPLICATIONS<sup>3</sup>

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
- ✓ Good low temperature pumpability for protection during cold starts
- ✓ Available in six different SAE grades

D1310518

5009 WEST 81ST STREET | INDIANAPOLIS | INDIANA | 46268 | 800-829-8899 | FAX 317-875-0889

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		5W-20	5W-30	10W-30	10W-40	20W-50	30
Product Number		07-190520	07-190530	07-191030	07-132012	07-135011	07-133012
SDS Number		S130	S130	S130	S130	S131	S131
Resource Conserving, ILSAC GF-5		YES	YES	YES	NO	NO	NO
Viscosity @ 100°C, cSt	D445	8.60	10.00	10.30	14.80	18.27	10.38
Viscosity @ 40°C, cSt	D445	49.2	58.9	64.2	99.3	167.8	79.66
Viscosity Index	D2770	153	157	148	155	121	114
Specific Gravity at 60°F	D4052	0.859	0.858	0.860	0.861	0.882	0.877
Pour Point, °C	D5950	-48	-48	-45	-45	-36	-36
Flash Point, °C	D92	205	210	210	212	220	210
Color ASTM	D1500	3.0	3.0	3.0	3.5	3.5	3.5
CCS, cP	D5293	5,500 (-30°C)	5,930 (-30°C)	4,660 (-25°C)	5,900 (-25°C)	8,000 (-15°C)	-
Noack Volatility, %w	D5800	13	12	11	14	4	4
TBN	D2896	9.6	10.7	10.1	9.7	9.7	9.7

- 1) To learn more about LSPI visit <http://www.infineuminsight.com/insight/jun-2017/lspi-and-lubricant-auto-ignition>
- 2) Except SAE 30, 10W-40 & 20W-50
- 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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