



## PRODUCT DATA SHEET

# NATIONAL™ SYNTHETIC MOTOR OILS

## PREMIUM FULL SYNTHETIC AUTOMOTIVE MOTOR OILS

### PRODUCT DESCRIPTION

NATIONAL™ SYNTHETIC motor oils are blended from synthetic base stocks for better fuel economy and reduced harmful emissions. These are formulated using advanced detergent-dispersant, antioxidant, anti-wear agent, friction modifier, and defoamant additives for better wear protection. These oils provide an excellent protection against sludge, engine rust and corrosion, resist oil thickening by providing enhanced oxidation control under severe service conditions and low temperature operating conditions.

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### INDUSTRY AND OEM SPECIFICATIONS

- ◆ API SN
- ◆ ILSAC GF-5 - Resource Conserving
- ◆ API SM, SL, SJ and prior
- ◆ CHRYSLER MS-6395S
- ◆ FORD WSS-M2C945A (5W-20)
- ◆ FORD WSS-M2C946A (5W-30)
- ◆ FORD WSS-M2C947A (0W-20)
- ◆ General Motors GM6094M and GM4718M (obsolete)

### APPLICATIONS

NATIONAL™ SYNTHETIC motor oils meet performance requirements of all naturally aspirated, turbo charged and supercharged gasoline fueled passenger cars, SUV's, Vans and light duty trucks including domestic and imports or anywhere where the manufacturer call for API SN/ILSAC GF-5 rated oils.

For GM vehicles model years 2011 and after, see our National™ dexos1®

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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.



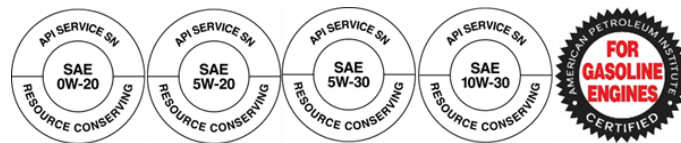
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## FEATURES

- ✓ Formulated with synthetic base stocks that enable continued high performance even with extended oil drain intervals
- ✓ Improved low temperature pumpability decreases wear at start-up
- ✓ Excellent fuel economy
- ✓ Turbo protection and flex-fuel capability
- ✓ At high ambient temperatures, oil evaporation and consumption are reduced due to the oil's lower volatility
- ✓ Advanced varnish and sludge protection to keep engine clean by minimizing deposit formation
- ✓ Available in four multi-grade viscosities <sup>1</sup>

## TECHNICAL DATA

(typical values)



SAE GRADE	ASTM	0W-20	5W-20	5W-30	10W-30
<b>Product Number</b>		07-130020	07-195520	07-195530	07-195130
<b>SDS Number</b>		S003.1	S003.1	S003.1	S003.1
<b>Viscosity @ 100°C, cSt</b>	D445	8.20	8.53	10.47	10.00
<b>Viscosity @ 40°C, cSt</b>	D445	43.44	47.64	60.35	61.62
<b>Viscosity Index</b>	D2270	166	158	164	148
<b>API Gravity</b>	D1250	35.8	35.2	34.6	33.8
<b>Pour Point, °C</b>	D5950	-51	-42	-45	-36
<b>Color ASTM</b>	D1500	L3.0	L3.0	L3.0	L3.0
<b>CCS, cP</b>	D5293	5,800 (-35°C)	4,400 (-30°C)	5,200 (-30°C)	4,700 (-25°C)
<b>Noack Volatility, %w</b>	D5800	13.9	10.0	11.0	8.0
<b>TBN</b>	D2896	8.3	8.3	8.3	8.3

- 1) Always follow operator's manual for recommended viscosity grade and API service classification
- 2) 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 oils is typically 48 months from manufacturing date when stored properly in the original sealed containers

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