



## PRODUCT DATA SHEET

# NATIONAL™ PREMIUM MOTOR OILS

## PREMIUM AUTOMOTIVE MOTOR OILS

### PRODUCT DESCRIPTION

NATIONAL™ PREMIUM motor oils are formulated from quality base stocks combined with advanced additive technology to protect today's engines against undesirable deposits and reduce oil consumption by fighting volatility and oil evaporation.

NATIONAL™ PREMIUM motor 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.

### INDUSTRY AND OEM SPECIFICATIONS

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

### APPLICATIONS

NATIONAL™ PREMIUM 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™ product line.

### FEATURES

- ✓ Formulated to protect emissions control system catalyts
- ✓ 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 multi-grades and two mono-grades viscosities <sup>1</sup>

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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.



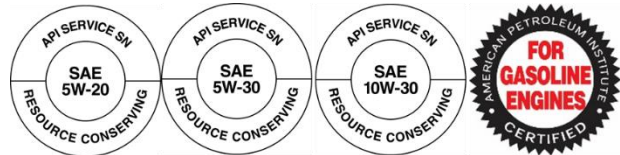
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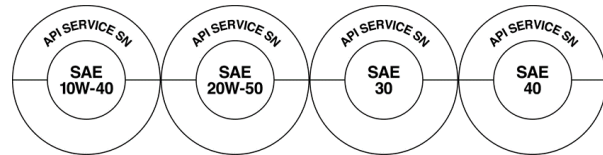
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## TECHNICAL DATA

(typical values)



SAE GRADE	ASTM	5W-20	5W-30	10W-30	10W-40	20W-50	SAE 30	SAE 40
Product Number		07-190520	07-190530	07-191030	07-132012	07-135011	07-133012	07-133004
SDS Number		S002.1	S002.1	S002.1	S002.1	S002.1	S002.1	S002.1
ILSAC GF-5/RC*		YES	YES	YES	NO	NO	NO	NO
Synthetic Blend		YES	YES	YES	NO	NO	NO	NO
Viscosity @ 100°C, cSt	D445	8.73	10.45	10.18	14.42	18.79	10.74	14.50
Viscosity @ 40°C, cSt	D445	50.31	62.85	67.68	98.74	154.70	83.09	128.40
Viscosity Index	D2770	153	156	136	151	137	114	113
API Gravity	D1250	33.4	33.4	30.9	31.0	31.4	29.1	29.8
Pour Point, °C	D5950	-42	-45	-42	-45	-36	-27	-24
Color ASTM	D1500	L3.0	L3.0	L3.0	L3.0	3.0	L3.5	3.5
CCS, cP	D5293	5,600 (-30°C)	6,100 (-30°C)	5,700 (-25°C)	6,300 (-25°C)	4,900 (-15°C)	NA	NA
Noack Volatility, %w	D5800	14.1	14.0	14.0	13.0	4.5	6.5	3.0
TBN	D2896	8.3	8.3	8.3	8.3	8.5	8.6	8.4



- 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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