



NATIONAL™ FULL SYNTHETIC EURO | PCMO

Product Description

NATIONAL FULL SYNTHETIC EURO SAE 5W-40 engine oil is formulated with advanced additive technology and Synthetic base stocks. It exceeds API SN requirements for model year 2007 and newer light diesel engines and is fully backward compatible. Provides excellent wear protection, outstanding resistance to viscosity and thermal breakdown at high temperatures, protects against rust and bearing corrosion and low volatility for reduced oil consumption.

Industry and OEM Specifications¹

- API SN
- API SM, SL, SJ and prior including CF (now obsolete)
- Meets or exceeds engine requirements for:
 - ◆ ACEA A3 B3-08, A3 B3-10, A3-B3-12,
 - ◆ A3 B4-08, A3 B4-10, A3 B4-12
 - ◆ BMW Longlife – 01
 - ◆ MB 229.3, 229.5
 - ◆ Porsche A40
 - ◆ PSA B71 2296
 - ◆ Renault RN0700, RN0710
 - ◆ VW 502 00, 505 00
 - ◆ GM-LL-B-025

Applications

NATIONAL FULL SYNTHETIC EURO SAE 5W-40 motor oil meets or exceeds a wide range of North American and European performance requirements. It is recommended for use in passenger cars, light trucks and sports utility vehicles under all driving conditions. It is particularly recommended for use in European vehicles such as BMW, Mercedes-Benz, Porsche and Volkswagen

Features

- Superior cold weather starting due to excellent low temperature properties of the synthetic base oils used in this formulation

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.



- Minimizes engine deposits and emissions
- Full synthetic formulation for a broad range of applications
- It offers European long drain service capability with exceptional TBN retention and exceptional resistance to volatility
- Long engine life due to extremely fast lubrication during starting, and outstanding wear protection during all other engine operating conditions

Technical Data



SAE GRADE	5W-40	
Product Number	07-195540	
SDS Number	S006	
Viscosity @ 100°C, cSt	D445	14.16
Viscosity @ 40°C, cSt	D445	80.98
Viscosity Index	D2770	166
Specific Gravity	D4052	0.8534
Pour Point, °C	D5950	-48
Color ASTM	D1500	L3.0
CCS @ -30°C, cP	D5293	6000
Flash Point COC, °C	D92	200
TBN	D2896	10
Noack volatility, %m	D5800	8.9
HTHS @ 150°C, mPa s	D4683	3.8

1) Always follow your operator's manual for recommended viscosity grade and API service classification.

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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