

SYNTHETIC-BLEND PCMO

MOLEC[®] SYNTHETIC-BLEND PCMO SAE 5W20, SAE 5W-30 & SAE 10W-30 are premium quality synthetic-blend passenger car motor oils that are designed to provide improved fuel economy, superior engine protection and advanced aged oil performance.

MOLEC[®] SYNTHETIC-BLEND PCMO are specifically formulated to meet the latest API and ILSAC requirements of aged oil LSPI protection, increased limits for fuel economy, piston deposits, timing chain wear and low temperature pump-ability, along with a cap on sulfated ash levels for gasoline particulate filter compatibility. These engine oils continue to provide excellent protection against sludge, piston cleanliness, engine rust and corrosion for all engine types under severe service or low temperature operation.

TECHNICAL DATA:

SPECIFICATIONS	ASTM	SAE 5W-20	SAE 5W-30	SAE 10W-30
Product Number		50002	50003	50004
Viscosity @ 100°C, cSt	D7279	8.584	10.72	10.50
Viscosity @ 40°C, cSt	D7279	49.62	69.46	63.95
Viscosity Index	D2270	151	143	153
Specific Gravity @ 60°F	D4052	0.8543	0.8531	0.8562
Pour Point, °C	D5950	-42	-42	-42
Cold Crank Simulator, Cp	D5293	5,306 @ -30°C	5,340 @ -30°C	3,598 @ -25°C
Colour ASTM	D1500	L3.0	L3.0	L3.0
Flash Point, °C	D92	233	229	235
TBN, mg KOH/g	D2896	7.4	7.4	8.0
Noack Volatility, %	D5800	11.2	11.4	10.8
HTHS, Cp	D4683	2.7	3.0	3.0

BENEFICIAL QUALITIES:

- **Improved Fuel Economy**, formulated to reduce energy losses due to viscosity
- **Sustainability**, contributes to lowering greenhouse gas emissions by helping vehicles consume less fuel
- **Improved resistance to oxidation and thermal breakdown**, GF-7 series oils will continue to perform optimally throughout their lifespan, offering better protection against wear and tear
- **Superior Engine Protection**, meeting stricter requirements for piston deposit control and aged oil LSP mitigation; these measures ensure engines stay cleaner and operate more efficiently over extended periods, thus boosting engine longevity and overall vehicle performance.
- **Excellent low-temperature pump-ability**, for easier flow and protection during cold starts.

APPLICATIONS:

Domestic & 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 the manufacturer calls for ILSAC GF-7A or API SQ rated oils for engine applications.

Industry & OEM Applications

- Licensed API SQ and backwards compatible • ILSAC GF-7A, Resource Conserving • CHRYSLER MS-6395
- Meets the requirements for FORD WSS-M2C970-A1 (5W-20, WSS-M2C971-A1 (5W-30) • Toyota, Honda, Nissan and Hyundai

AVAILABLE PACKAGING: • 946ML Quarts • 4.73L Jugs • 208L Drums • 1040L Totes • Bulk.

PRODUCT CODES: • 50002 (5W-20) • 50003 (5W-30) • 50004 (10W-30)

WHEN QUALITY MATTERS[®]

MOLEC Lubricants takes no responsibility for product misuse or misapplication. Always follow OEM recommendations for fluid viscosity and API Service category.

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