MOLEC®
LUBRICANTS

FULL SYNTHETIC PCMO

MOLEC® FULL SYNTHETIC PCMO are formulated with high quality base oils and premium additive technology to provide exceptional engine protection even under the most extreme stop-and-go driving conditions and heavy loads. These engine oils provide outstanding protection for vehicles with direct-injection and turbocharges and those that require a full synthetic engine oil.

MOLEC® FULL SYNTHETIC PCMO's are specifically formulated to meet the latest API & ILSAC requirements of aged oil LSPI protection, increased limits for fuel economy, piston deposits, timing chain wear, 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 sever service or low temperature operation.

TECHNICAL DATA:

SPECIFICATIONS	ASTM	SAE 0W-20	SAE 5W-20	SAE 5W-30
Product Number		50182	50177	50171
Viscosity @ 100˚C, cSt	D7279	8.636	8.986	10.73
Viscosity @ 40˚C, cSt	D7279	44.88	50.47	62.25
Viscosity Index	D2270	174	160	164
Specific Gravity @ 60˚F	D4052	0.8481	0.8520	0.8518
Pour Point, ˚C	D5950	-45	-42	-42
Cold Crank Simulator,Cp	D5293	5,979 @ -35'C	4,426 @ -30'C	4,958 @ -30'C
Colour ASTM	D1500	L3.0	L3.0	L3.0
Flash Point, ˚C	D92	233	224	237
TBN, mg KOH/g	D2896	7.6	7.3	7.4
Noack Volatility, %	D5800	12.4	10.9	11.1
HTHS, Cp	D4683	2.7	2.6	3.0

BENEFICIAL QUALITIES:

- **Excellent Fuel Economy**, formulated to reduce energy losses due to viscosity
- **Superior Engine Protection**, meeting stricter requirements for piston deposit control & aged-oil LSPI mitigation; these measures ensure engines stay cleaner and operate more efficiently over extended periods, thus boosting engine longevity and overall vehicle performance
- **Extended Drain Intervals**, provide unsurpassed protection against sludge, varnish and deposit buildup to keep engines running cleaner, stronger & longer.
- **Improved resistance to oxidation and thermal breakdow**n, GF-7 oils will continue to perform optimally throughout their lifespan, offering better protection against wear & tear
- **Excellent low temperature pump-ability**, for protection during cold starts
- **Sustainability**, contributes to lowering greenhouse has emissions by helping vehicles consume less fuel

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 with prior "S" categories • ILSAC GF-7A, Resource Conserving • Chrysler MS-6395 • Meets the requirements for FORD – WSS-M2C960-A1 & WSS-M2C970-A1 (5W-20), WSS-M2C961-A1 & WSS-M2C971-A1 (5W-30), WSS-M2C962-A1 & WSS-M2C972-A1 (0W-20) • Toyota, Honda, Nissan and Hyundai (Require ILSAC GF-7 approved oils for service fill)

AVAILABLE PACKAGING:

SAE 5W-20: 946ml Quarts • 4.73L Jugs • 208L Drums • 1040L Totes
SAE 5W30: 208L Drums • 1040L Totes
SAE 0W-20: 208L Drums • 1040L Totes

PRODUCT CODES:

• 50182 (SAE 0W-20) • 50177 (SAE 5W-20) • 50171 (SAE 5W-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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