



Renewable Lubricants, Inc.
476 Griggy Rd., P.O. Box 474
Hartville, Ohio 44632-0474

Bio-SynXtra™ SHP SAE 0W30 PCMO Motor Oil (Low Ash)

Biobased Passenger Car Motor Oil for Performance, Protection, and Fuel Economy

Bio-SynXtra™ SHP SAE 0W30 PCMO is a patented, biobased, synthetic motor oil formulated with Stabilized™ technology. Designed to deliver outstanding performance in naturally aspirated, turbocharged, and supercharged gasoline engines, this motor oil meets or exceeds the requirements of ILSAC GF-5, API SN/SM, and GM dexos1 specifications. With a super high viscosity index and enhanced antiwear chemistry, it provides excellent protection for new and high-mileage vehicles alike.

Benefits

- Exceeds ILSAC GF-5, API SN/SM performance (unlicensed formulation)
- Enhanced wear protection and friction reduction
- Improves fuel economy and reduces tailpipe emissions
- Excellent oxidative and thermal stability
- Superior cold-start and low-temperature pumpability
- Low volatility minimizes oil consumption
- Inherently biodegradable and USDA BioPreferredSM listed
- Formulated with Stabilized™ technology for enhanced deposit control and seal conditioning
- Proven in high-performance racing and extreme load conditions (up to 3000 HP)

Application / New Filling

Recommended for use in:

- Modern and legacy gasoline engines, including high-output turbo/supercharged systems
- Passenger cars, vans, SUVs, and light-duty trucks requiring SAE 0W30
- Older engines with high mileage or wear needing seal conditioning
- GM dexos1-equivalent applications
- High-performance applications including motorsports and extended drain service

OEM Specifications and Compatibility:

- Meets physical requirements of SAE J300
- API SN/SM and ILSAC GF-5 compatible (unlicensed formula)
- GM dexos1 performance compatible
- Passes base oil interchange testing for API/ILSAC

STABILIZED™
by Renewable Lubricants

Specifications and Approvals

- Stabilized™ HOBS Technology
 - U.S. Patents: 5,990,055; 6,383,992; 6,534,454
 - Canada Patent: 2,498,812
 - Biodegradable, clean-burning, and environmentally friendly
 - Used by:
 - U.S. Coast Guard, U.S. Army, USDA Facilities
 - NASA, NOAA, National Parks, Mark Thomas Racing, Volunteer Chevy, PARTA

TYPICAL SPECIFICATIONS		
Viscosity @ 100°C	ASTM D-445	11.3
Viscosity @ 40°C	ASTM D-445	58
Viscosity Index	ASTM D-2270	193
Flash Point (COC)	ASTM D-92	240°C
Pour Point	ASTM D-97	-46°C
CCS @ -35°C, cp	ASTM-D-5293	Max – 6,200
MRV-TP1 @ -40°C, cP	ASTM-D-4684	24,000
Yield Stress, Pa		None
HTHS @ 150° C, Apparent Viscosity, cP	ASTM-D-4683	>2.9
NOACK Volatility %		9.0
Energy Conserving		YES