



Renewable Lubricants, Inc.
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Bio-SynXtra™ SHP SAE 10W30 PCMO Motor Oil (Low Ash)

Biobased Motor Oil for Turbocharged and High-Mileage Engines

Bio-SynXtra™ SHP SAE 10W30 PCMO is a patented, biosynthetic motor oil designed for optimum performance in naturally aspirated, turbocharged, and supercharged gasoline engines. Formulated with Stabilized™ technology, this high-performance lubricant provides superior viscosity stability, reduced emissions, and improved fuel economy; ideal for both new and older engines requiring API SN or SM performance.

Benefits

- Exceeds API SN and SM performance requirements (unlicensed formula)
- Super high viscosity index (~153) reduces wear and viscosity breakdown
- Enhanced oxidation stability and extreme pressure protection
- Low volatility minimizes oil consumption and tailpipe emissions
- Excellent low-temperature fluidity for cold start protection
- Booster additives improve seal conditioning and reduce wear in older engines
- Formulated for high-mileage engines and worn equipment
- Inherently biodegradable and USDA BioPreferredSM listed
- Proven performance in racing and high-stress operating environments
- Compatible with catalytic converter emissions systems

Application / New Filling

Recommended for use in:

- Passenger cars, light-duty trucks, vans, and SUVs
- Gasoline engines requiring SAE 10W30 and API SN/SM performance
- Newer turbocharged or supercharged high-output engines
- High-mileage vehicles needing better seal conditioning and antiwear protection
- Extended drain intervals and engines subject to fuel dilution or heavy loads

OEM Specifications and Compatibility:

- Meets SAE J300 physical property requirements
- API SN/SM and ILSAC GF-5 compatible (unlicensed formulation)
- GM dexos1-equivalent performance
- Passed API and ILSAC base oil interchange tests

STABILIZED™
by Renewable Lubricants

Specifications and Approvals

- Stabilized™ HOBS Technology
 - U.S. Patents: 5,990,055; 6,383,992; 6,534,454
 - Canada Patents: 2,498,812; 2,538,768; 2,609,756
 - Mexico Patents: 275,334; 308,832
- In service by:
 - U.S. Coast Guard, U.S. Army, NASA, USDA Facilities
 - National Parks including Cape Cod, Point Reyes, and Pictured Rocks
 - Mark Thomas Racing, Volunteer Chevy, PARTA Transit

TYPICAL SPECIFICATIONS		
Viscosity @ 100°C	ASTM D-445	11.6
Viscosity @ 40°C	ASTM D-445	73.07
Viscosity Index	ASTM D-2270	153
Flash Point (COC)	ASTM D-92	230°C
Pour Point	ASTM D-97	-37°C
CCS @ -25°C, cp	ASTM-D-5293	Max – 7,000
MRV-TP1 @ -30°C, cP	ASTM-D-4684	21,000
Yield Stress, Pa		None
HTHS @ 150° C, Apparent Viscosity, cP	ASTM-D-4683	>2.9
NOACK Volatility %		12
Energy Conserving		Yes