

Bio-SynXtra™ SHP SAE 0W20 PCMO Motor Oil (Low Ash)

Biobased Passenger Car Motor Oil for High-Performance and Fuel Economy

Bio-SynXtra™ SHP SAE 0W20 PCMO is a patented, biosynthetic motor oil formulated to deliver top-tier performance for naturally aspirated, turbocharged, and supercharged gasoline engines in passenger cars, vans, SUVs, and light trucks. Engineered with Stabilized™ technology, this high viscosity index formulation enhances fuel economy, reduces volatility and emissions, and provides outstanding wear protection—making it ideal for both new and high-mileage vehicles.

Benefits

- Meets and exceeds ILSAC GF-5 and API SN/SM (unlicensed formulation)
- Superior wear and extreme pressure performance
- Improved fuel economy and reduced emissions
- Excellent low temperature pumpability and cold start protection
- Exceptional viscosity stability across temperature ranges
- Superior oxidation resistance and anti-foam performance
- Inherently biodegradable and USDA BioPreferredSM listed
- Ideal for high-mileage engines and out-of-warranty vehicles
- Proven in racing conditions and OEM field applications
- Formulated with high-performance additive boosters and HOBS technology

Application / New Filling

Recommended for use in:

- Naturally aspirated, turbocharged, and supercharged gasoline engines
- Modern passenger cars, vans, SUVs, and light-duty trucks requiring SAE 0W20
- Vehicles requiring ILSAC GF-5, API SN/SM or GM dexos1 performance
- Older vehicles and equipment with high mileage or extended oil change intervals

OEM Specifications and Compatibility:

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

STABILIZED™
by Renewable Lubricants

Specifications and Approvals

- Patented Stabilized™ HOBS Technology
 - U.S. Patents: 5,990,055; 6,383,992; 6,534,454
 - Canada Patent: 2,498,812
 - Proven in use by:
 - U.S. Coast Guard, U.S. Army, NASA, USDA facilities, NOAA
 - National parks and municipalities

TYPICAL SPECIFICATIONS		
Viscosity @ 100°C	ASTM D-445	8.6
Viscosity @ 40°C	ASTM D-445	44
Viscosity Index	ASTM D-2270	178
Flash Point (COC)	ASTM D-92	240°C
Pour Point	ASTM D-97	-48°C
CCS @ -35°C, cp	ASTM-D-5293	Max – 6,200
MRV-TP1 @ -40°C, cP	ASTM-D-4684	14,000
Yield Stress, Pa		None
HTHS @ 150° C, Apparent Viscosity, cP	ASTM-D-4683	>2.9
NOACK Volatility %		9.0
Energy Conserving		YES