

Bio-SynXtra™ HD Plus SHP SAE 10W30 Motor Oil (Low Ash)

Biobased, High-Performance Engine Oil for Diesel and Gasoline Applications

Bio-SynXtra™ HD Plus SHP SAE 10W30 is a biobased, low-ash, high-performance motor oil formulated to exceed the requirements of EPA compliant diesel engines, including those equipped with diesel oxidation catalysts and particulate filters. This advanced formulation combines premium biosynthetic base stocks with Stabilized™ HOBS technology to deliver superior thermal stability, wear protection, and emission control. Designed for both on- and off-road diesel and gasoline engines, including naturally aspirated, turbocharged, and supercharged configurations.

Benefits

- Provides superior wear and corrosion protection, including overhead camshaft designs
- High temperature and shear stability for extended drain intervals
- Excellent soot control and low-temperature sludge resistance
- Reduces volatility and emissions for enhanced fuel economy
- Low ash formulation protects emission after-treatment systems
- Improves lubrication in high-mileage or older equipment
- Proven performance in extreme racing and heavy-duty conditions
- Inherently biodegradable and USDA BioPreferredSM listed
- Manufactured with Stabilized™ HOBS Technology for long-term oxidative and thermal stability

Application / New Filling

Recommended for:

- High-performance diesel and gasoline engines in on-road trucks, off-road equipment, and power sports vehicles
- Engines requiring API SN, CK-4, FA-4, and prior service categories (SJ through CJ-4 Plus)
- Extended drain applications under OEM-approved conditions

OEM Specifications and Compatibility:

- API SN/CK-4/FA-4 (unlicensed formulation)
- ACEA E9-08-Issue 2, E7-04-Issue 2
- MTU Type 2.1, CAT ECF-1-A, ECF-2, ECF-3
- VOLVO VDS-3, VDS-4
- Detroit Diesel DDC 93K218, DFS93K223
- MB 228.31, MAN M 3575, CUMMINS CES 20087
- Deutz DQC III-10 LA, Renault Truck RLD-3

STABILIZED™
by Renewable Lubricants

- Suitable for older vehicles and high-hour equipment requiring SAE 10W30

Specifications and Approvals

- Meets performance specs of SAE J300
- Passed base oil interchange tests required for API and ILSAC
- Stabilized™ HOBS: Patented biobased technology for cold flow and anti-wear
 - U.S. Patents: 6,383,992; 6,534,454; 5,990,055
 - Canada: 2,498,812; 2,538,768; 2,609,756
 - Mexico: 275,334; 308,832

TYPICAL SPECIFICATIONS		
Viscosity @ 100°C	ASTM D-445	11.0
Viscosity @ 40°C	ASTM D-445	67.0
Viscosity Index	ASTM D-2270	156
Flash Point (COC)	ASTM D-92	233°C
Pour Point, °C	ASTM D-97	-37
CCS @ -25°C, cp	ASTM-D-5293	<6,000
MRV-TP1 @ -30°C, cP	ASTM-D-4684	21,000
Yield Stress, Pa		None
HTHS @ 150° C, Apparent Viscosity, cP	ASTM-D-4683	3.6
NOACK Volatility % max 1h at 250°C	NOACK	11.0
Total Base Number	ASTM D-2896	10.3
Sulfated Ash, % max	ASTM D-874	<1.0
Phosphorus, % max	ASTM D-4951	0.12
Sulfur, % max	ASTM D-4951	0.4
Item #		85170