



Renewable Lubricants, Inc.
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Bio-SynXtra™ HD SHP SAE 30 Motor Oil (Low Ash)

Biobased, High-Performance Single-Grade Engine Oil

Bio-SynXtra™ HD SHP SAE 30 is a heavy-duty, single-grade motor oil formulated with proprietary Stabilized™ biobased technology. Designed for both high-performance and older diesel and gasoline engines, it meets the performance needs of naturally aspirated, turbocharged, and supercharged systems. This low-ash formula is ideal for stationary, marine, industrial, and transportation applications where SAE 30 oil is recommended, offering excellent wear protection, deposit control, and thermal stability.

Benefits

- Exceeds performance requirements for API SM/CF
- High shear stability and oxidation resistance
- Superior wear and corrosion protection for both overhead cam and conventional valve train engines
- Reduced varnish and sludge formation
- Enhanced seal conditioning and anti-rust performance
- Provides power-shift transmission performance (CAT TO-2, Allison C-3)
- Compatible with GL-3 manual transmission performance
- Stabilized HOBBS base oils offer super high viscosity index (~220 VI)
- Energy-conserving formula improves fuel economy and lowers emissions
- Suitable for use in passenger vehicles, off-road equipment, transmissions, and hydraulics requiring SAE 30

Application / New Filling

Recommended for use in:

- Light and heavy-duty diesel and gasoline engines
- High-performance, motorsport, and racing engines
- Hydrostatic and manual transmissions, final drives, and hydraulic systems
- Marine and stationary engine lubrication
- Older engines and high-hour equipment needing enhanced lubrication

OEM Specifications and Compatibility:

- API SJ, SL, SM / CF, CF-2, CD, CDII, CE
- API GL-3, Cat TO-2, Allison C-3 (transmission service)
- Meets key physical requirements per SAE J300



- Formulated with additive chemistry approved for API/ILSAC base oil interchange (unlicensed formula)

Specifications and Approvals

- Stabilized™ HOBS Technology
- Patents: U.S. 5,990,055; 6,383,992; 6,534,454
- Canada: 2,498,812; 2,538,768; 2,609,756
- Mexico: 275,334; 308,832
- Inherently biodegradable
- USDA BioPreferredSM Listed

TYPICAL SPECIFICATIONS		
Viscosity @ 100°C	ASTM D-445	10.7
Viscosity @ 40°C	ASTM D-445	66.2
Viscosity Index	ASTM D-2270	151
Flash Point (COC)	ASTM D-92	250°C
Pour Point	ASTM D-97	-39°C
HTHS @ 150° C, Apparent Viscosity, cP	ASTM-D-4683	>2.9
NOACK Volatility % max 1h at 250°C	NOACK	7
Total Base Number	ASTM D-2896	10.3
Sulfated Ash, % max	ASTM D-874	1.0
Item#		85240