



Syncon™ HP Synthetic Gear Oil

Conoco Syncon™ HP Synthetic Gear Oil is a 100% synthetic, multipurpose, extreme-pressure, API GL-5 automotive gear lubricant. It is specifically designed for use in passenger car and truck axles with hypoid gear sets operating in extreme temperatures or under severe driving conditions. It combines superior thermal stability and oxidation resistance at high temperatures with outstanding low temperature properties to ensure excellent performance over a wide temperature range. It is formulated with a thermally stable and thermally durable additive package that provides long service life and extended gear life in automotive differentials operating under varying conditions of speed, load, temperature and torque.

Applications

Syncon™ HP Synthetic Gear Oil is recommended for service fill of conventional differentials and for top-off of limited-slip differentials in passenger cars and trucks, and for service fill of the differentials, final drives, and transfer cases of some off-highway equipment. It also may be used in non-synchronized manual transmissions in trucks, buses and heavy equipment where the manufacturer specifies an API GL-5 or MT-1 gear oil. It is approved for 500,000-mile drain intervals in heavy-duty axles under Eaton Roadranger or Meritor (Rockwell) extended warranties.

Syncon™ HP Synthetic Gear Oil meets or exceeds the requirements of:

- API Service GL-5, MT-1
- Dana Spicer Drive Axles
- Eaton Roadranger E500 SHAES-256 (formerly PS-163)
- General Electric D50E9C
- Harnischfeger (P&H) 474
- Mack GO-J Plus (SAE 75W-90), Mack GO-J (SAE 80W-140)
- Meritor (Rockwell) O-76B (SAE 80W-140), O-76E & O-76N (SAE 75W-90)
- MIL-PRF-2105E
- SAE J2360

Premium, Full-Synthetic Automotive Gear Lubricant, API GL-5/MT-1

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Outstanding Features

- Extended drain, all-season performance
- Outstanding thermal stability to minimize sludge and varnish formation
- Excellent thermal durability for extended gear life at elevated temperatures and under extreme-pressure conditions
- Excellent load-carrying capacity for protection against scuffing and wear
- Excellent shear stability
- Superior low-temperature properties
- Good rust and corrosion protection
- Good foam resistance
- Can improve fuel efficiency over conventional SAE 80W-90 or SAE 85W-140 gear oils

Note: For complete drain and refill, many limited-slip differentials may require the manufacturer's specified gear lubricant or supplemental additive. Refer to the owner's manual for specific requirements.

Syncon™ HP Synthetic Gear Oil Typical Properties

SAE GRADE	75W-90	80W-140
Density, g/cm ³ @ 15.6°C (60°F)	0.908	0.920
Color, ASTM D1500	8.0	8.0
Flash Point (COC), °C (°F)	207 (405)	207 (405)
Pour Point, °C (°F)	-46 (-51)	-32 (-26)
Viscosity,		
cP@ -26°C (Brookfield)	—	90,000
cP @ -40°C (Brookfield)	140,000	—
cSt @ 40°C	137	254
cSt @ 100°C	17.5	31.3
SUS @ 100°F	707	1,309
SUS @ 210°F	90.0	152
Viscosity Index	152	172
Channel Point, °C (°F)	< -45 (-49)	< -55 (-67)

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