



Super Three Star™ Synthetic Gear Lubricant

Kendall Super Three Star Synthetic Gear Lubricant is a synthetic, API GL-5 automotive gear lubricant specially designed for long-drain service and extended warranty protection in passenger car and truck axles with hypoid gear sets. It is formulated to provide long service life and extended gear life in automotive differentials operating under varying conditions of speed, load, temperature and torque. It combines excellent oxidation resistance and thermal stability at high temperatures with outstanding low-temperature properties to ensure excellent performance over a wide temperature range. It has excellent water-separating properties to prevent the formation of emulsions and retain its lubricating properties even in the presence of a small amount of water.

Applications

Super Three Star is recommended for service fill of conventional differentials and for top-off of limited-slip differentials in passenger cars and trucks.⁽¹⁾ It also is recommended for service fill of differentials, final drives and transfer cases in some off-highway equipment. It 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 ArvinMeritor extended warranties.

Super Three Star meets or exceeds the requirements of:

- API Service GL-5, MT-1
- ArvinMeritor O76-R for extended-drain lubricants
- Dana Spicer drive axles
- Mack GO-J
- MIL-PRF-2105E
- SAE J2360

Features/Benefits

- Extended drain/extended warranty protection
- Outstanding oxidation resistance and thermal stability to minimize sludge and varnish formation
- Excellent thermal durability and extreme-pressure properties for extended gear life
- High load-carrying capacity for protection against scuffing and wear

**Synthetic Extended-
Drain Automotive
Gear Lubricant,
API GL-5/MT-1**

**Customer Service
Number:
1-800-368-7128**

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- High shear stability
- Outstanding low-temperature properties
- Excellent water-separating properties
- Protects against rust and corrosion
- Good foam resistance
- Compatible with synthetic and conventional automotive gear oils

⁽¹⁾ **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.

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Typical Properties

SAE Grade	75W-90	80W-140
Density, g/cm ³ @ 15.6°C (60°F)	0.871	0.879
Density, lbs/gal @ 15.6°C (60°F)	7.25	7.32
Color, ASTM D1500	L 8.0	L 8.0
Flash Point (COC), °C (°F)	200 (392)	200 (392)
Pour Point, °C (°F)	-45 (-49)	-36 (-33)
Viscosity,		
cP@ -26°C (Brookfield)	—	48,000
cP @ -40°C (Brookfield)	119,000	—
cSt @ 40°C	114	222
cSt @ 100°C	17.2	25.5
SUS @ 100°F	582	1,150
SUS @ 210°F	88.6	126
Viscosity Index	164	151

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Due to continual product research and development, the information contained herein is subject to change without notification.

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