

Gear Saver Hypoid Gear Oil

PRODUCT DESCRIPTION

Bel-Ray® Gear Saver Hypoid Gear Oil is formulated for sliding contacts of hypoid gears in transmissions and final drives. It provides superior Extreme Pressure and anti-wear properties. Gear Saver Hypoid Gear Oil meets the performance requirements of API GL-5. Using Gear Saver Hypoid Gear Oil improves gear shifting for a smoother ride.

Gear Saver Hypoid Gear Oil is specially formulated for independently lubricated motorcycle transmissions and final drives to give best performance and wear protection under shock loading normally associated with final drives. The special lubricity additive in Gear Saver Hypoid Gear Oil reduces sliding wear and friction for exceptionally smooth gear shifting, power delivery and longer lasting gears. Not for use with wet clutches.



PRODUCT FEATURES

- Extreme Pressure chemistry
- Superior shear stability
- Superior foaming protection
- Superior lubricity
- High Viscosity Index
- Superior oxidation stability
- Distinctive red color

BENEFITS

- Prevents metal-to-metal wear from shock loading
- Prevents viscosity breakdown caused by gear shearing action
- Maintains film thickness for reduced wear and friction
- Minimizes sliding friction for maximum power to the wheel
- Maintains lubricant film strength over wide temperature range
- Prevents thermal oil degradation for long lasting performance
- Easy leak detection and product identification

APPLICATIONS

- For final drives and transmissions requiring hypoid gear oil
- For manual transmissions specifying an oil in compliance with API GL-5
- For motorcycles experiencing rough, inconsistent and “clunky” shifting

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TECHNICAL DATA SHEET



PRODUCT DATA

Typical Properties			
Property	Test Method	80W-90	85W-140
Density @ 15°C (g/mL)	ASTM D4052	0.8765	0.8923
Viscosity @ 40°C (cSt)	ASTM D445	126.7	334
Viscosity @ 100°C (cSt)	ASTM D445	14.25	25.08
Viscosity Index	ASTM D2270	111	97
Flash Point, °C (°F)	ASTM D92	227 (440)	243 (470)
Pour Point, °C (°F)	ASTM D97	-33 (-27)	-27 (-17)
Brookfield Viscosity, cP	ASTM D2983	62,900 @ -26°C	62,500 @ -12°C
Copper Corrosion, 3 h @ 100°C (Rating)	ASTM D130	1b	1b
4-Ball EP Test, Load-Wear Index (kgf)	ASTM D2783	64.89	62.78
4-Ball EP Test, Weld Load (kgf)	ASTM D2783	400	315

HEALTH and SAFETY

Health and safety recommendations for products can be found on the Safety Data Sheet (SDS) at www.belray.com

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