

BIG 7

GEAR BOX LUBRICANT

Extreme Pressure / Multi-Purpose
Available Weights SAE: 80W/90, 85W/140

PRODUCT DESCRIPTION:

BIG 7 Multi-Purpose EP Gear Lubricant contains selected and refined base oils and modern additives with special polymers. These base oils have exceptional resistance to oxidation, are highest in natural Viscosity Index, possess tough film strength to keep metal surfaces separated and are best in inherent moisture resistance. This blend provides outstanding performance in automobiles, light and heavy-duty trucks, construction and farm equipment as well as industrial gear units.

BIG 7's extremely high quality is further enhanced by use of a sulfur/phosphorous type of additive that increases its load carrying properties to give gears additional protection. The maximum level of sulfur/phosphorous ("SP" type) EP additive provides superior anti-wear and anti-scuff lubrication even under the most severe service conditions.

A powerful additive package has been included for maximum rust, corrosion and oxidation resistance. An anti-foam agent breaks entrapped air bubbles as they form, keeping operating temperatures low. With lower temperatures, less pressure buildup and control of acid formation, seals remain pliable and last longer.

BIG 7 GEAR LUBRICANT has excellent adhesive qualities which give the lubricant the ability to cling tenaciously to metal surfaces allowing it to follow the gears instantly at start-up and provide immediate protection.

APPLICATIONS:

BIG 7 GEAR LUBRICANT meets the demanding requirements of all types of enclosed gears - spur, worm, hypoid and their variations. This versatile lubricant gives excellent performance in differentials, mechanical transmissions, steering gears, speed reducers, gear reducers, hypoid gears, helical gears, worm gears, spiral-bevel, final drives, industrial gears, spur gears and other types of industrial gears. **BIG 7 GEAR LUBRICANT** is especially recommended for automotive axles requiring a Hypoid EP lube including break-in, competition service, drain and refill, "limited slip" type axles and add-to or make up. Water intrusion in gear boxes is a common problem in steel mills, paper mills and other industries where water cooling or water processing is needed. This results in the emulsification of oil, further resulting in reduced lubrication, poor clingability and contamination. **BIG 7 WILL NOT EMULSIFY.**

PERFORMANCE CHARACTERISTICS:

- U.S. Government Military Specifications MIL-L-2105B and MIL-L-2105C API GL-3 Mild EP, GL-4 Hypoid EP, GL-5 Break-In Hypoid EP, GL-6 High Performance Hypoid EP and Limited Slip Axle Lubrication
- Limited Slip Axle Lubrication
- CRC-L-37 and CRC-L-42 Axle Tests
- International Harvester 135 EP Gear Lube

ADVANTAGES:

- Multiple viscosity grades with extra high viscosity index span
- Widest temperature range for all season use and for different climates
- Recommended for all automotive axles requiring a Hypoid EP lubricant including “break-in” and “add-to” for limited slip types
- Maximum level of sulphur phosphorus EP additive
- Thermal stability
- Protects against rust and corrosion
- Lubricates limited slip axles
- EP additives protect against scoring, scuffing and welding
- Lower operating costs
- Eliminates dry starts
- Will not emulsify with water

<u>SAE Grade</u>	<u>80W/90</u>	<u>85W/140</u>
Color	Dark Red	Dark Red
Texture	Tacky	Tacky
cSt @ 40° C	180	420
cSt @ 100° C	13.5 - 19.0	24.0 - 32.5
Viscosity Index (min.)	90	90
Flash Point, °C/°F (typ.)	204/400	221/430
API Gravity, (typ.)	26.2	24.7
Specific Gravity (typ.)	0.8973	0.9050
Lbs. Gal. (typ.)	7.472	7.544
Timken OK Load, lbs.	70	70
Four Ball EP,		
Weld Load, kg	400	400
LWI, kg	85	85
Four Ball Wear		
Scar Dia., mm	0.30	0.30
Pour Point	0°F	20°F