



LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

SYNTHETIC SAE 75W-90 GEAR OIL



Lucas Oil Synthetic SAE 75W-90 Gear Oil is a fully synthetic premium lubricant specially formulated for final drives, axles, and differentials in passenger cars and heavy-duty equipment. It is formulated with powerful anti-wear and extreme pressure additives to prevent scuffing and premature failure of all gear types in the most demanding service conditions. Our specialty formulation is yellow metal safe, and clings to gear teeth to ensure they are never starved for lubrication. Our formulation is shear stable and will retain viscosity for long fluid life and maximum protection. Lucas Oil Synthetic SAE 75W-90 Gear Oil is stable under high-torque and high temperature conditions but remains fluid at extremely cold temperatures to ensure excellent lubrication no matter the weather. It is fortified with seal conditioners that keep seals supple, preventing leaks and extending service life. Our formulation contains an embedded friction modifier for use in standard or limited slip differentials.

Recommended by Lucas Oil for any application requiring SAE 75W-90 gear oil, whether in light duty trucks, SUVs, or commercial vehicles. Meets or exceeds API GL-5, MT-1, and other common gear oil specifications.

PART NUMBER AND SIZE:

10047 – 1 Quart
10048 – 1 Gallon
10072 – 5 Gallon
10074 – 55 Gallon
10562 – Per Gallon Tote
18006 – 6 Gallon BIB

FEATURES AND BENEFITS:

- Fully synthetic formula longer fluid and equipment life
- Fortified with anti-foaming agents to prevent cavitation at high RPM's.
- Safely blends with all other gear oils and additives.
- Shear stable, long-lasting formula.
- High-performance, extreme pressure protection
- Suitable for standard or limited slip differentials.

SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Meets or exceeds API GL-5, API MT-1, SAE J2360, MIL-PRF-2105E, MACK GO-J, PG-2 Limited Slip.

Approved for use with STEMCO® wheel end components. Kentucky Trailer factory filled with Lucas Oil Synthetic SAE 75w-90 GL5 Gear Oil.

MAIN APPLICATIONS:

For use wherever SAE 75W-90 GL-5 Gear Oil is recommended by the original equipment manufacturer, commonly: differentials and axles of light and heavy-duty trucks, SUVs, cars with rear drive and both front and rear differentials of 4X4's. May be used as an upgrade where SAE 80W-90 mineral oil gear oil is commonly used.



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TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	ASTM	TYPICAL
API Gravity	D4052	26.8
Specific Gravity @ 60°F	D4052	0.8939
Density @ 60°F, Lbs/US Gal	D4052	7.191
Viscosity @ 40°C cSt	D445	91.71
Viscosity @ 100°C cSt	D445	14.66
Flash Point, COC @ °F	D92	390
Color		Clear Light Amber
Viscosity Index	D2270	166

These characteristics are typical of current production. However, slight variations in these characteristics may occur.

LINKS AND ADDITIONAL INFORMATION:

For additional product or health and safety information, including product Safety Data Sheets, visit [LucasOil.com](https://www.LucasOil.com)