



# LUCAS OIL PRODUCTS, INC. PRODUCT DATA SHEET

## SYNTHETIC SAE 75W-90 GEAR OIL



**Lucas Synthetic SAE 75W-90 Gear Oil** is a premium lubricant suited for automotive, light truck and heavy-duty differentials, both conventional and limited slip. **Lucas Synthetic SAE 75W-90 Gear Oil** utilizes a premium additive package that provides excellent anti-wear and extreme pressure lubrication properties, blended with synthetic base stocks, both API Group III, Group IV (PAO) and Group V (synthetic esters). Synthetic liquid polymers are used to build both viscosity and the viscosity index. These polymers are shear stable, resisting permanent shear thinning so this gear oil will stay-in-grade for its service life.

**Lucas Synthetic SAE 75W-90 Gear Oil** is stable under high-torque and high temperature conditions yet remains fluid at extremely cold temperatures. This synthetic formula is fortified with conditioners that keep seals and gaskets supple, discouraging leaks and extending their service life.

### PART NUMBER AND SIZE:

10047 – 1 Quart  
10048 – 1 Gallon  
10072 – 5 Gallon  
10074 – 55 Gallon  
10562 – 330 Gallon  
20047 (CAN) – 1 Quart  
20048 (CAN) – 1 Gallon

### FEATURES AND BENEFITS:

- Heavy Duty
- High Performance
- Stands up to high temperatures

### SPECIFICATIONS, APPROVALS AND RECOMMENDATIONS:

Meets or Exceeds all GL classifications, API MT-1, API GL-5, 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	D-1298	26.8
Specific Gravity @ 60°F	D-1298	0.8939
Density @ 60°F, Lbs/US Gal	D-1298	7.443
Viscosity @ 40°C cSt	D-445	142.0
Viscosity @ 100°C cSt	D-445	18.4
Flash Point, COC @ °F	D-92	390
Color		Clear Light Amber
Viscosity Index		145
Pour Point, °C (°F)	D-97	-39 (-38)
FZG		12 Stage PASS
Brookfield Viscosity @ -40°C	D-2983	80,000 CPS

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

## HEALTH, SAFETY AND ENVIRONMENT:

Health and Safety information is available on the appropriate Safety Data Sheet, which can be obtained from [LucasOil.com](http://LucasOil.com)

## LINKS AND ADDITIONAL INFORMATION:

For additional product information visit [LucasOil.com](http://LucasOil.com)