



CITGO® Premium (LS) Gear Oil

OVERVIEW



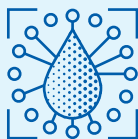
- A multipurpose, limited-slip automotive gear lubricant with select additives that impart extreme pressure (EP) properties to protect automotive gears operated under the most severe service conditions encountered in passenger cars, trucks, farm tractors, earthmoving, construction, and other heavy-duty equipment.
- These additives impart the anti-weld, anti-scuff and anti-wear properties necessary in heavy duty applications. The friction modifier meets the requirements of positive traction or limited-slip type differentials.

FEATURES & BENEFITS



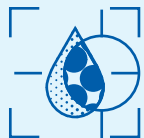
- Blended to meet the multi-grade viscosity requirements described in SAE Standard J306.
- Formulated with high-VI, refined base oils and does not require viscosity improver to meet multi-grade viscometric properties.
- Viscometric properties are maintained throughout the oil's life and are not lost through shear.
- Meets API Service Classification GL-5, the highest severity of gear service.

APPLICATIONS



- Recommended where a multipurpose gear oil or one suitable for API Service GL-5 is required.
- For use in differentials of passenger cars and light trucks.
- Recommended for use in limited-slip differentials known as Sure-grip®, Posi-trac®, Trac-lock®, and similar for complete fill or for top-off.
- For service in transmissions, differentials, final drives, and other gear cases of trucks, buses, and farm tractors where EP, hypoid, or multipurpose gear oils are specified by the equipment manufacturer, including differentials.
- Refer to equipment owner's manual for proper lubricant recommendation. Equipment manufacturers' recommendations should be followed when the gear lubricant is subject to high ambient temperatures. While some gear sets are designed for year-round operation using an SAE 80W-90, others may require SAE 85W-140 for high ambient temperature operations.
- Recommended for the following applications: API GL-5, API MT-1, SAE J2360 (formerly MIL-PRF-2105E), MACK GO-J, PG-2 Limited Slip

PROPERTIES



Typical Properties for CITGO Premium (LS) Gear Oil:

SAE Grade	80W-90
Material Code	631330001
Gravity, ASTM D4052, °API	27.4
Specific Gravity	0.89
Density, lb/gal at 60°F	7.4
Flash Point, COC, ASTM D92, °F (°C)	430 (221)
Viscosity, ASTM D445:	
cSt at 40°C	142
cSt at 100°C	14.2
Viscosity, ASTM D2161:	
SUS at 100°F	721
SUS at 210°F	76
Viscosity, ASTM D2983:	
cP at -26°C	125,000
Viscosity Index, ASTM D2270	97
Pour Point, ASTM D97, °F (°C)	-27 (-33)
Channel Point, °F (°C), Max. ⁽¹⁾	-31 (-35)
Foam Test, ASTM D892	Pass

Notes: (1) Method 3456 of Federal Test Method Standard No. 791

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