



CITGO® Premium Gear Oils (MP)

OVERVIEW



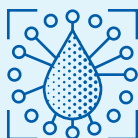
- Multipurpose limited slip gear lubricants whose high performance level is obtained by using a sulfur-phosphorus additive system to impart extreme pressure (EP) properties to protect automotive gears which may be operated under the most severe service conditions encountered in passenger cars, trucks, farm tractors, earth-moving, construction, and heavy duty equipment.
- These additives impart anti-weld, anti-scuff, and anti-wear properties necessary in heavy duty service gear lubricants.

FEATURES & BENEFITS



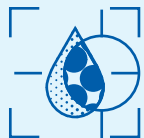
- Blended to meet the multi-grade viscosity requirements described in SAE J306.
- Formulated with naturally high-VI, highly refined base oils and do not require viscosity index improvers to meet multi-grade viscometric properties.
- Viscometric properties are maintained throughout the oil's service life and are not lost through shear.
- API Service Classification: GL-5 and MT-1.
- Meets the severe gear performance requirements of SAE J2360 (formerly MIL-PRF-2105E).
- Meet Mack Trucks GO-J specification.
- SAE 80W-90 grade for use at ambient temperatures down to -15°F.
- SAE 85W-140 grade for use at ambient temperatures down to +10°F.

APPLICATIONS



- Recommended where a multipurpose gear oil meeting the requirements of SAE J2360, API GL-5, API MT-1, or Mack GO-J is required.
- For use in transmissions, differentials, final drives, and other gear cases of trucks, buses, and farm equipment.
- Recommended where EP, hypoid, or multipurpose gear oils are specified by the manufacturer.
- Recommended for use in limited-slip differentials known as Sure-grip®, Posi-trac®, Trac-lock®, and similar for complete fill or for top-off.
- 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 during the hot weather months.

PROPERTIES



Typical Properties for CITGO Premium Gear Oils (MP):

SAE Grade	80W-90	85W-140
Material Code	631310001	631320001
Gravity, ASTM D4052, °API	27	26
Density, lb/gal at 60°F	7.4	7.5
Flash Point, ASTM D92, °F (°C)	448 (231)	478 (248)
Viscosity, ASTM D445		
cSt at 40°C	139	365
cSt at 100°C	14.7	26.9
Viscosity, ASTM D2161		
SUS at 100°F	788	2010
SUS at 210°F	78.4	133
Brookfield Viscosity, ASTM D2983		
cP at -26.1°C	120,000	—
cP at -12°C	—	65,000
Viscosity Index, ASTM D2270	99	97
Pour Point ASTM D97, °F (°C)	-27 (-33)	0 (-18)
Channel Point, °F (°C), Max.	-31 (-35)	-4 (-20)
Foam Test, ASTM D892	Pass	Pass
Copper Corrosion, ASTM D130	Pass	Pass

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